

Reference Specification

150°C Operation Leaded MLCC for Automotive with AEC-Q200 RH Series

Product specifications in this catalog are as of Mar. 2022, and are subject to change or obsolescence without notice.

Please consult the approval sheet before ordering. Please read rating and Cautions first.

⚠ CAUTION

1. OPERATING VOLTAGE

When DC-rated capacitors are to be used in AC or ripple current circuits, be sure to maintain the Vp-p value of the applied voltage or the Vo-p which contains DC bias within the rated voltage range. When the voltage is started to apply to the circuit or it is stopped applying, the irregular voltage may be generated for a transit period because of resonance or switching. Be sure to use a capacitor within rated voltage containing these irregular voltage.

When DC-rated capacitors are to be used in input circuits from commercial power source (AC filter), be sure to use Safety Recognized Capacitors because various regulations on withstand voltage or impulse withstand established for each equipment should be taken into considerations.

| Voltage | DC Voltage | DC+AC Voltage | AC Voltage | Pulse Voltage(1) | Pulse Voltage(2) |
|---------------------------|------------|---------------|------------|------------------|------------------|
| Positional Measurement | Vo-p | Vo-p | Vp-p | Vp-p | Vp-p |

2. OPERATING TEMPERATURE AND SELF-GENERATED HEAT

Keep the surface temperature of a capacitor below the upper limit of its rated operating temperature range. Be sure to take into account the heat generated by the capacitor itself.

When the capacitor is used in a high-frequency current, pulse current or the like, it may have the self-generated heat due to dielectric-loss. In case of Class 2 capacitors (Temp.Char.: X7R,X7S,X8L, etc.), applied voltage should be the load such as self-generated heat is within 20 °C on the condition of atmosphere temperature 25 °C. Please contact us if self-generated heat is occurred with Class 1 capacitors (Temp.Char.: C0G,U2J,X8G, etc.). When measuring, use a thermocouple of small thermal capacity-K of Φ0.1mm and be in the condition where capacitor is not affected by radiant heat of other components and wind of surroundings. Excessive heat may lead to deterioration of the capacitor's characteristics and reliability.

3. FAIL-SAFE

Be sure to provide an appropriate fail-safe function on your product to prevent a second damage that may be caused by the abnormal function or the failure of our product.

4. OPERATING AND STORAGE ENVIRONMENT

The insulating coating of capacitors does not form a perfect seal; therefore, do not use or store capacitors in a corrosive atmosphere, especially where chloride gas, sulfide gas, acid, alkali, salt or the like are present. And avoid exposure to moisture. Before cleaning, bonding, or molding this product, verify that these processes do not affect product quality by testing the performance of a cleaned, bonded or molded product in the intended equipment. Store the capacitors where the temperature and relative humidity do not exceed 5 to 40 °C and 20 to 70%. Use capacitors within 6 months.

5. VIBRATION AND IMPACT

Do not expose a capacitor or its leads to excessive shock or vibration during use.

6. SOLDERING

When soldering this product to a PCB/PWB, do not exceed the solder heat resistance specification of the capacitor. Subjecting this product to excessive heating could melt the internal junction solder and may result in thermal shocks that can crack the ceramic element.

7. BONDING AND RESIN MOLDING, RESIN COAT

In case of bonding, molding or coating this product, verify that these processes do not affect the quality of capacitor by testing the performance of a bonded or molded product in the intended equipment. In case of the amount of applications, dryness / hardening conditions of adhesives and molding resins containing organic solvents (ethyl acetate, methyl ethyl ketone, toluene, etc.) are unsuitable, the outer coating resin of a capacitor is damaged by the organic solvents and it may result, worst case, in a short circuit.

The variation in thickness of adhesive or molding resin may cause a outer coating resin cracking and/or ceramic element cracking of a capacitor in a temperature cycling.

8. TREATMENT AFTER BONDING AND RESIN MOLDING, RESIN COAT

When the outer coating is hot (over 100 °C) after soldering, it becomes soft and fragile. So please be careful not to give it mechanical stress.

Failure to follow the above cautions may result, worst case, in a short circuit and cause fuming or partial dispersion when the product is used.

9. LIMITATION OF APPLICATIONS

Please contact us before using our products for the applications listed below which require especially high reliability for the prevention of defects which might directly cause damage to the third party's life, body or property.

1. Aircraft equipment 2. Aerospace equipment

3. Undersea equipment 4. Power plant control equipment

5. Medical equipment6. Transportation equipment (vehicles, trains, ships, etc.)7. Traffic signal equipment8. Disaster prevention / crime prevention equipment

9. Data-processing equipment exerting influence on public

10. Application of similar complexity and/or reliability requirements to the applications listed in the above.

NOTICE

1. CLEANING (ULTRASONIC CLEANING)

To perform ultrasonic cleaning, observe the following conditions.

Rinse bath capacity: Output of 20 watts per liter or less.

Rinsing time: 5 min maximum.

Do not vibrate the PCB/PWB directly.

Excessive ultrasonic cleaning may lead to fatigue destruction of the lead wires.

2. SOLDERING AND MOUNTING

Insertion of the Lead Wire

- When soldering, insert the lead wire into the PCB without mechanically stressing the lead wire.
- Insert the lead wire into the PCB with a distance appropriate to the lead space.

3. CAPACITANCE CHANGE OF CAPACITORS

• Class 2 capacitors (Temp.Char. : X7R,X7S,X8L etc.)

Class 2 capacitors an aging characteristic, whereby the capacitor continually decreases its capacitance slightly if the capacitor leaves for a long time. Moreover, capacitance might change greatly depending on a surrounding temperature or an applied voltage. So, it is not likely to be able to use for the time constant circuit.

Please contact us if you need a detail information.

⚠ NOTE

- 1. Please make sure that your product has been evaluated in view of your specifications with our product being mounted to your product.
- 2. You are requested not to use our product deviating from this specification.

1. Application

This specification is applied to 150°C Operation Leaded MLCC RHE series in accordance with AEC-Q200 requirements used for Automotive Electronic equipment.

2. Rating

Applied maximum temperature up to 150°C

Note: Maximum accumulative time to 150°C is within 2000 hours.

• Part Number Configuration

| ex.) | RHE | L8 | _1E_ | 104 | K | 0 | A2 | H03 | B |
|------|--------|-----------------|---------|-------------|-------------|-----------|-------|---------------|---------|
| | Series | Temperature | Rated | Capacitance | Capacitance | Dimension | Lead | Individual | Package |
| | | Characteristics | Voltage | | Tolerance | (LxW) | Style | Specification | |

Series

| Code | Content |
|------|--------------------------|
| RHE | Epoxy coated, 150°C max. |

• Temperature Characteristics

| Code | Temp. Char. | Temp. Range | Cap. Change | Standard Temp. | Operating Temp. Range | |
|------|---------------|-------------|-------------|-------------------|--------------------------|--|
| 1.0 | X8L | -55∼125°C | +/-15% | 25°C | -55∼150°C | |
| 18 | (Murata code) | 125∼150°C | +15/-40% | 25 C | -55~150°C | |

Rated Voltage

| Code | Rated voltage |
|------|---------------|
| 1E | DC25V |
| 1H | DC50V |
| 2A | DC100V |

Capacitance

The first two digits denote significant figures; the last digit denotes the multiplier of 10 in pF. ex.) In case of 104

$$10 \times 10^4 = 100000 pF$$

• Capacitance Tolerance

| Code | Capacitance Tolerance | | | | | | |
|------|-----------------------|--|--|--|--|--|--|
| K | +/-10% | | | | | | |
| M | +/-20% | | | | | | |

• Dimension (LxW)

Please refer to [Part number list].

• Lead Style

*Lead wire is "solder coated CP wire".

| Code | Lead Style | Lead spacing (mm) |
|------|--------------------------|-------------------|
| A2 | Straight type | 2.5+/-0.8 |
| DB | Straight taping type | 2.5+0.4/-0.2 |
| K1 | Inside crimp type | 5.0+/-0.8 |
| M1 | Inside crimp taping type | 5.0+0.6/-0.2 |

• Individual Specification

Murata's control code.

Please refer to [Part number list].

Package

| Code | Package |
|------|---------------------|
| Α | Taping type of Ammo |
| В | Bulk type |

3. Marking

Temp. char. : Letter code : 8 (X8L char.)

Capacitance : 3 digit numbers

Capacitance tolerance : Code

Rated voltage : Letter code : 2 (DC25V. Except dimension code : 0,1)

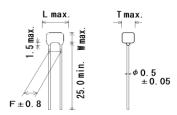
Letter code: 5 (DC50V. Except dimension code: 0,1) Letter code: 1 (DC100V. Except dimension code: 0,1)

Company name code : Abbreviation : (Except dimension code : 0,1)

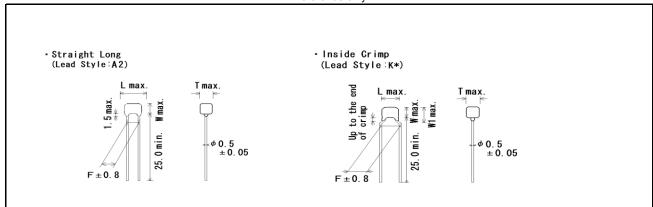
| (Ex.) | | | |
|-------------------------------|------------------|-------------------|--------------------------|
| Rated voltage Dimension code | DC25V | DC50V | DC100V |
| 0,1 | 8 105K | 8 102K | 8 103K |
| 2 | (M 475 K28 | € 225 K58 | (M ²²⁴ K18 |
| 3,W | (106 K28 | (4335 K58 | - |

4. Part number list

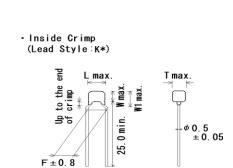
 Straight Long (Lead Style: A2)



| Customer | Murata Part Number | T.C. | DC Rated | Cap. | Сар. | | Dime | ension (| (mm) | | Dimension (LxW) | Pack qty. |
|-------------|--------------------|------|--------------|---------|------|-----|------|----------|------|------|--------------------|--------------|
| Part Number | Marata Fart Namber | 1.0. | Volt. (V) | оар. | Tol. | L | W | W1 | F | Т | Lead Style | |
| | RHEL81E104K0A2H03B | X8L | 25 | 0.1µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81E154K0A2H03B | X8L | 25 | 0.15µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81E224K0A2H03B | X8L | 25 | 0.22µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81E334K1A2H03B | X8L | 25 | 0.33µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81E474K1A2H03B | X8L | 25 | 0.47µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81E684K1A2H03B | X8L | 25 | 0.68µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81E105K1A2H03B | X8L | 25 | 1.0µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81E155K2A2H03B | X8L | 25 | 1.5µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81E225K2A2H03B | X8L | 25 | 2.2µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81E335K2A2H03B | X8L | 25 | 3.3µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81E475K2A2H03B | X8L | 25 | 4.7µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81E106K3A2H03B | X8L | 25 | 10µF | ±10% | 5.5 | 5.0 | - | 2.5 | 4.0 | 3A2 | 500 |
| | RHEL81H221K0A2H03B | X8L | 50 | 220pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H331K0A2H03B | X8L | 50 | 330pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H471K0A2H03B | X8L | 50 | 470pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H681K0A2H03B | X8L | 50 | 680pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H102K0A2H03B | X8L | 50 | 1000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H152K0A2H03B | X8L | 50 | 1500pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H222K0A2H03B | X8L | 50 | 2200pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H332K0A2H03B | X8L | 50 | 3300pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H472K0A2H03B | X8L | 50 | 4700pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H682K0A2H03B | X8L | 50 | 6800pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H103K0A2H03B | X8L | 50 | 10000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H153K0A2H03B | X8L | 50 | 15000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H223K0A2H03B | X8L | 50 | 22000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H333K0A2H03B | X8L | 50 | 33000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H473K0A2H03B | X8L | 50 | 47000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H683K0A2H03B | X8L | 50 | 68000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H104K0A2H03B | X8L | 50 | 0.1µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL81H154K1A2H03B | X8L | 50 | 0.15µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81H224K1A2H03B | X8L | 50 | 0.22µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81H334K1A2H03B | X8L | 50 | 0.33µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL81H474K2A2H03B | X8L | 50 | 0.47µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81H684K2A2H03B | X8L | 50 | 0.68µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81H105K2A2H03B | X8L | 50 | 1.0µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81H155K2A2H03B | X8L | 50 | 1.5µF | ±10% | 5.5 | 4.0 | - | 2.5 | | 2A2 | 500 |
| | RHEL81H225K2A2H03B | X8L | 50 | 2.2µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81H335K3A2H03B | X8L | 50 | 3.3µF | ±10% | 5.5 | 5.0 | - | 2.5 | 4.0 | 3A2 | 500 |
| | RHEL81H475K3A2H03B | X8L | 50 | 4.7µF | ±10% | 5.5 | 5.0 | - | 2.5 | 4.0 | 3A2 | 500 |
| | RHEL82A221K0A2H03B | X8L | 100 | 220pF | ±10% | 3.6 | 3.5 | _ | 2.5 | 2.5 | 0A2 | 500 |

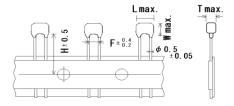


| Customer | Murata Part Number | T.C. | DC Rated | Cap. | Сар. | | Dime | ension (| (mm) | | Dimension (LxW) | Pack qty. |
|-------------|----------------------|------|--------------|---------|------|-----|------|----------|------|------|--------------------|--------------|
| Part Number | Wardia Fart Wallisel | 1.0. | Volt. (V) | оар. | Tol. | L | W | W1 | F | Т | Lead Style | |
| | RHEL82A331K0A2H03B | X8L | 100 | 330pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A471K0A2H03B | X8L | 100 | 470pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A681K0A2H03B | X8L | 100 | 680pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A102K0A2H03B | X8L | 100 | 1000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A152K0A2H03B | X8L | 100 | 1500pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A222K0A2H03B | X8L | 100 | 2200pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A332K0A2H03B | X8L | 100 | 3300pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A472K0A2H03B | X8L | 100 | 4700pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A682K0A2H03B | X8L | 100 | 6800pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A103K0A2H03B | X8L | 100 | 10000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A153K0A2H03B | X8L | 100 | 15000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A223K0A2H03B | X8L | 100 | 22000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 0A2 | 500 |
| | RHEL82A333K1A2H03B | X8L | 100 | 33000pF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL82A473K1A2H03B | X8L | 100 | 47000pF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL82A683K1A2H03B | X8L | 100 | 68000pF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL82A104K1A2H03B | X8L | 100 | 0.1µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 1A2 | 500 |
| | RHEL82A154K2A2H03B | X8L | 100 | 0.15µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL82A224K2A2H03B | X8L | 100 | 0.22µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 2A2 | 500 |
| | RHEL81E104K0K1H03B | X8L | 25 | 0.1µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81E154K0K1H03B | X8L | 25 | 0.15µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81E224K0K1H03B | X8L | 25 | 0.22µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81E334K1K1H03B | X8L | 25 | 0.33µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81E474K1K1H03B | X8L | 25 | 0.47µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81E684K1K1H03B | X8L | 25 | 0.68µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81E105K1K1H03B | X8L | 25 | 1.0µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81E155K2K1H03B | X8L | 25 | 1.5µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81E225K2K1H03B | X8L | 25 | 2.2µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81E335K2K1H03B | X8L | 25 | 3.3µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81E475K2K1H03B | X8L | 25 | 4.7µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81E106K3K1H03B | X8L | 25 | 10µF | ±10% | 5.5 | 5.0 | 7.5 | 5.0 | 4.0 | 3K1 | 500 |
| | RHEL81E226MWK1H03B | X8L | 25 | 22µF | ±20% | 5.5 | 7.5 | 10.0 | 5.0 | 4.0 | WK1 | 500 |
| | RHEL81H221K0K1H03B | X8L | 50 | 220pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H331K0K1H03B | X8L | 50 | 330pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H471K0K1H03B | X8L | 50 | 470pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H681K0K1H03B | X8L | 50 | 680pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H102K0K1H03B | X8L | 50 | 1000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H152K0K1H03B | X8L | 50 | 1500pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H222K0K1H03B | X8L | 50 | 2200pF | ±10% | 3.6 | 3.5 | 6.0 | | 2.5 | 0K1 | 500 |
| | RHEL81H332K0K1H03B | X8L | 50 | 3300pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H472K0K1H03B | X8L | 50 | 4700pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |



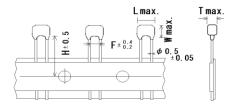
| | | | | | | 1 | | | | | OTHE . ITHII | |
|-------------|--------------------|------|--------------|---------|------|-----|------|----------|------|------|--------------------|--------------|
| Customer | Murata Part Number | T.C. | DC Rated | Cap. | Сар. | | Dime | ension (| (mm) | | Dimension (LxW) | Pack qty. |
| Part Number | Murata Fatt Number | 1.0. | Volt. (V) | Сар. | Tol. | L | W | W1 | F | Т | Lead Style | |
| | RHEL81H682K0K1H03B | X8L | 50 | 6800pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H103K0K1H03B | X8L | 50 | 10000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H153K0K1H03B | X8L | 50 | 15000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H223K0K1H03B | X8L | 50 | 22000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H333K0K1H03B | X8L | 50 | 33000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H473K0K1H03B | X8L | 50 | 47000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H683K0K1H03B | X8L | 50 | 68000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H104K0K1H03B | X8L | 50 | 0.1µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL81H154K1K1H03B | X8L | 50 | 0.15µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81H224K1K1H03B | X8L | 50 | 0.22µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81H334K1K1H03B | X8L | 50 | 0.33µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL81H474K2K1H03B | X8L | 50 | 0.47µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81H684K2K1H03B | X8L | 50 | 0.68µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81H105K2K1H03B | X8L | 50 | 1.0µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81H155K2K1H03B | X8L | 50 | 1.5µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81H225K2K1H03B | X8L | 50 | 2.2µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL81H335K3K1H03B | X8L | 50 | 3.3µF | ±10% | 5.5 | 5.0 | 7.5 | 5.0 | 4.0 | 3K1 | 500 |
| | RHEL81H475K3K1H03B | X8L | 50 | 4.7µF | ±10% | 5.5 | 5.0 | 7.5 | 5.0 | 4.0 | 3K1 | 500 |
| | RHEL81H106MWK1H03B | X8L | 50 | 10µF | ±20% | 5.5 | 7.5 | 10.0 | 5.0 | 4.0 | WK1 | 500 |
| | RHEL82A221K0K1H03B | X8L | 100 | 220pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A331K0K1H03B | X8L | 100 | 330pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A471K0K1H03B | X8L | 100 | 470pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A681K0K1H03B | X8L | 100 | 680pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A102K0K1H03B | X8L | 100 | 1000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A152K0K1H03B | X8L | 100 | 1500pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A222K0K1H03B | X8L | 100 | 2200pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A332K0K1H03B | X8L | 100 | 3300pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A472K0K1H03B | X8L | 100 | 4700pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A682K0K1H03B | X8L | 100 | 6800pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A103K0K1H03B | X8L | 100 | 10000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A153K0K1H03B | X8L | 100 | 15000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A223K0K1H03B | X8L | 100 | 22000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 0K1 | 500 |
| | RHEL82A333K1K1H03B | X8L | 100 | 33000pF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL82A473K1K1H03B | X8L | 100 | 47000pF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL82A683K1K1H03B | X8L | 100 | 68000pF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL82A104K1K1H03B | X8L | 100 | 0.1µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 1K1 | 500 |
| | RHEL82A154K2K1H03B | X8L | 100 | 0.15µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |
| | RHEL82A224K2K1H03B | X8L | 100 | 0.22µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 2K1 | 500 |

Straight Taping (Lead Style:D*)

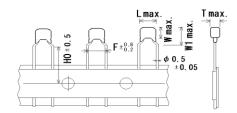


| Customer | | | DC Rated Volt. (V) | | Ca. | Dimension (mm) | | | | | | Dimension | Pack |
|-------------------------|------------------------|------|-----------------------------|---------|--------------|----------------|-----|----|-----|------|------|---------------------|---------------|
| Customer Part Number | Murata Part Number | T.C. | | Cap. | Cap. Tol. | L | W | W1 | F | Т | H/H0 | (LxW) Lead Style | qty. (pcs) |
| | DIJELO4E 40 4KODDIJOOA | \/O! | , , | 0.4.5 | 100/ | | 0.5 | | 0.5 | 0.5 | 40.0 | 000 | 2000 |
| | RHEL81E104K0DBH03A | X8L | 25 | 0.1µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81E154K0DBH03A | X8L | 25 | 0.15µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81E224K0DBH03A | X8L | 25 | 0.22µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81E334K1DBH03A | X8L | 25 | 0.33µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81E474K1DBH03A | X8L | 25 | 0.47µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81E684K1DBH03A | X8L | 25 | 0.68µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81E105K1DBH03A | X8L | 25 | 1.0µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81E155K2DBH03A | X8L | 25 | 1.5µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81E225K2DBH03A | X8L | 25 | 2.2µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81E335K2DBH03A | X8L | 25 | 3.3µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81E475K2DBH03A | X8L | 25 | 4.7µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81E106K3DBH03A | X8L | 25 | 10µF | ±10% | 5.5 | 5.0 | - | 2.5 | 4.0 | 16.0 | 3DB | 1500 |
| | RHEL81H221K0DBH03A | X8L | 50 | 220pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H331K0DBH03A | X8L | 50 | 330pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H471K0DBH03A | X8L | 50 | 470pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H681K0DBH03A | X8L | 50 | 680pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H102K0DBH03A | X8L | 50 | 1000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H152K0DBH03A | X8L | 50 | 1500pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H222K0DBH03A | X8L | 50 | 2200pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H332K0DBH03A | X8L | 50 | 3300pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H472K0DBH03A | X8L | 50 | 4700pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H682K0DBH03A | X8L | 50 | 6800pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H103K0DBH03A | X8L | 50 | 10000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H153K0DBH03A | X8L | 50 | 15000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H223K0DBH03A | X8L | 50 | 22000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H333K0DBH03A | X8L | 50 | 33000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H473K0DBH03A | X8L | 50 | 47000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H683K0DBH03A | X8L | 50 | 68000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H104K0DBH03A | X8L | 50 | 0.1µF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| | RHEL81H154K1DBH03A | X8L | 50 | 0.15µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81H224K1DBH03A | X8L | 50 | 0.22µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81H334K1DBH03A | X8L | 50 | 0.33µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| | RHEL81H474K2DBH03A | X8L | 50 | 0.47µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81H684K2DBH03A | X8L | 50 | 0.68µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81H105K2DBH03A | X8L | 50 | 1.0µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| | RHEL81H155K2DBH03A | X8L | 50 | 1.5µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | | | 2000 |
| | RHEL81H225K2DBH03A | X8L | 50 | 2.2µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | | | 2000 |
| | RHEL81H335K3DBH03A | X8L | 50 | 3.3µF | ±10% | 5.5 | 5.0 | - | 2.5 | 4.0 | | | 2000 |
| | RHEL81H475K3DBH03A | X8L | 50 | 4.7µF | ±10% | 5.5 | 5.0 | - | 2.5 | 4.0 | | | 2000 |
| | RHEL82A221K0DBH03A | X8L | 100 | 220pF | ±10% | 3.6 | 3.5 | | 2.5 | 2.5 | | | 2000 |

 Straight Taping (Lead Style:D*)

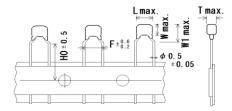


 Inside Crimp Taping (Lead Style: M*)



| Murala Part Number | | _ | | | | | 1 | | | | • | | | |
|--|-------------|--------------------|------|-------|---------|------|-----|-----|--------|--------|------|------|---------|------|
| Part Number | | Murata Part Number | T.C. | Rated | Cap | | | D | imensi | on (mr | n) | | | |
| RHELB2A471K0DBH03A | Part Number | Warata Fart Namber | 1.0. | | Оар. | Tol. | L | W | W1 | F | Т | H/H0 | 1 06.4- | |
| RHELB2A6B1K0DBH03A XBL 100 680pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A152K0DBH03A XBL 100 1500pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A152K0DBH03A XBL 100 1500pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A322K0DBH03A XBL 100 2200pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A323K0DBH03A XBL 100 2300pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A732K0DBH03A XBL 100 3300pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A732K0DBH03A XBL 100 4700pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A732K0DBH03A XBL 100 6800pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A103K0DBH03A XBL 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A103K0DBH03A XBL 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A103K0DBH03A XBL 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A103K0DBH03A XBL 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A33SK1DBH03A XBL 100 22000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A73SK1DBH03A XBL 100 22000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A73SK1DBH03A XBL 100 3000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 0DB 2000 RHELB2A73SK1DBH03A XBL 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHELB2A73SK1DBH03A XBL 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHELB2A104K1DBH03A XBL 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHELB2A104K1DBH03A XBL 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHELB2A104K1DBH03A XBL 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHELB2A104K1DBH03A XBL 100 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHELB21634KK1DBH03A XBL 100 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHELB1E104K0M1H03A XBL 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHELB1E104K0M1H03A XBL 25 0.3µF ±10% 5.5 4.0 - 2.5 3.15 16.0 0M1 2000 RHELB1E134KVM1H03A XBL 25 0.3µF ±10% 5.5 4.0 - 2.5 3.15 16.0 0M1 2000 RHELB1E134KVM1H03A XBL 25 0.3µF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 0M1 2000 RHELB1E364KVM1H03A XBL 25 0.3µF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 0M1 2000 RHELB1E136KXM1H03A XBL 25 0.4µF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 0M1 2000 RHELB1E136KXM1H03A XBL 25 0.4µF ±10% 5.5 4.0 6.0 5.0 2 | | RHEL82A331K0DBH03A | X8L | 100 | 330pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A102K0DBH03A X8L 100 1000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A222K0DBH03A X8L 100 1500pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A232K0DBH03A X8L 100 2200pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A32K0DBH03A X8L 100 3300pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A32K0DBH03A X8L 100 4700pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A372K0DBH03A X8L 100 4700pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A103K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A103K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A153K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A13SK0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33K1DBH03A X8L 100 33000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33K1DBH03A X8L 100 33000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A473K1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 0.15µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 0.12µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 0.12µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A224K2DBH03A X8L 100 0.12µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E154K0M1H03A X8L 25 0.15µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E334K1MH03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E334K1MH03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E334K1MH03A X8L 25 0.15µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E334K1MH03A X8L 25 0.47µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E334K1MH03A X8L 25 0.50µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1MH03A X8L 25 0.50µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E165K2MH03A X8L 25 0.50µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E165K2MH03A X8L 25 0.50µF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H205K0MH03A X8L 25 0.50µF ±10% 5.5 5.0 5. | | RHEL82A471K0DBH03A | X8L | 100 | 470pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A152KODBH03A X8L 100 1500pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A322KODBH03A X8L 100 3300pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A332KODBH03A X8L 100 3300pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A32XCDBH03A X8L 100 4700pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A69KODBH03A X8L 100 4700pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A13XCDBH03A X8L 100 1000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A13XCDBH03A X8L 100 1000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A15XCDBH03A X8L 100 1000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23XCDBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23XCDBH03A X8L 100 2000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23XH0DBH03A X8L 100 3000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A63XH0DBH03A X8L 100 3000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A68XH0BH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A68XH0BH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A68XH0BH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A68XH0BH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A64XDBH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A64XDBH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A64XDBH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A62XDBH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL81E104K0M1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E2A6XM1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E1344W1H103A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.3pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E164FXM1H03A X8L 25 0.4pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E164FXM1H03A X8L 25 0.4pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E164FXM1H03A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E364FXM1H03A X8L 25 0.4pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E364FXM1H03A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 0M1 2000 RHEL81E | | RHEL82A681K0DBH03A | X8L | 100 | 680pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A232KODBH03A X8L 100 2200pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33XODBH03A X8L 100 470pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A69XCODBH03A X8L 100 470pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A15XODBH03A X8L 100 470pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A15XODBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A15XODBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A15XODBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23XODBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23XIODBH03A X8L 100 22000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33XIOBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473XIDBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A693XIDBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A693XIDBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154XDBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154XDBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154XDBH03A X8L 100 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A154XDBH03A X8L 100 0.2µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E164XMMH03A X8L 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E164XMMH03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E1654XMMH03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34XMMH03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34XMMH03A X8L 25 0.5µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34XMMH03A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2DB 2000 RHEL81E34XMMH03A X8L 25 0.5µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E35XMMH03A X8L 25 0.5µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E35XMMH03A X8L 25 0.5µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E35XMMH03A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E35XMMH03A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E305XMMH03A X8L 50 300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03XM | | RHEL82A102K0DBH03A | X8L | 100 | 1000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A332K0DBH03A X8L 100 3300pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A472K0DBH03A X8L 100 6800pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A103K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A103K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A103K0DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33K1DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A333K1DBH03A X8L 100 33000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33X1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A63SK1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 6000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1MH03A X8L 100 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82HE104K0MH03A X8L 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0MH03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34X1MH03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34A74K1M103A X8L 25 0.1µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E34A74K1M103A X8L 25 0.4µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E34A74K1M103A X8L 25 0.4µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E34A74K1M103A X8L 25 0.4µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2DB 2000 RHEL81E35XMH03A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.5 16.0 0M1 2000 RHEL81E4224K0M103A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2DM 2000 RHEL81E4225K0M103A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.5 16.0 0M1 2000 RHEL81E4225K0M103A X8L 50 0.50µF ±10% 5.5 4.0 6.0 5.0 3.5 16.0 0M1 2000 RHEL81E433SK2M103A X8L 50 0.50pF ±10% 5.5 4.0 6.0 5.0 3.5 16.0 0M1 2000 RHEL81H333K0M103A X8L 50 0.500pF ±10% 3.6 3.5 6.0 5.0 2.5 16. | | RHEL82A152K0DBH03A | X8L | 100 | 1500pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A472K0DBH03A X8L 100 4700pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A682K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A153K0DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A253K0DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23K0DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A233K0DBH03A X8L 100 22000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A333K1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A2154K2DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A2154K2DBH03A X8L 100 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A224K2DBH03A X8L 100 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82H104K0M1H03A X8L 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E154K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.3µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.3µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E364K1M1H03A X8L 25 0.3µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E364K1M1H03A X8L 25 0.3µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E364K1M1H03A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E365K2M1H03A X8L 25 0.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E363K2M1H03A X8L 25 0.5µF ±10% 5.5 5.0 0.0 5.0 2.5 16.0 1M1 2000 RHEL81E363K2M1H03A X8L 25 0.5µF ±10% 5.5 5.0 0.0 5.0 2.5 16.0 1M1 2000 RHEL81E33K2KM1H03A X8L 25 0.5µF ±10% 5.5 5.0 0.0 5.0 2.5 16.0 1M1 2000 RHEL81E363K2M1H03A X8L 25 0.5µF ±10% 5.5 5.0 0.0 5.0 2.5 16.0 1M1 2000 RHEL81E33K2KM1H03A X8L 25 0.5µF ±10% 5.5 5.0 0.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 1.0µF ±10% 5.5 5.0 0.0 5.0 2.5 16.0 0M1 2000 RHEL81H3615K0M1H03A X8L 50 1.00pF ±10% 3.6 3.5 6. | | RHEL82A222K0DBH03A | X8L | 100 | 2200pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82AG83KODBHO3A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A103KODBHO3A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A223KODBHO3A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A233K1DBHO3A X8L 100 2000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A233K1DBHO3A X8L 100 33000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A473K1DBHO3A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBHO3A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A683K1DBHO3A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBHO3A X8L 100 0 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBHO3A X8L 100 0 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A24K2DBHO3A X8L 100 0 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A24K2DBHO3A X8L 100 0 .1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A24K2DBHO3A X8L 100 0 .1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A24K2DBHO3A X8L 100 0 .2pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1HO3A X8L 25 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1HO3A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1HO3A X8L 25 0.2pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E344X1M1HO3A X8L 25 0.3pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E3474K1M1HO3A X8L 25 0.3pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E3474K1M1HO3A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E355K1M1HO3A X8L 25 0.8pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E355K2M1HO3A X8L 25 0.8pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K1M1HO3A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K1M1HO3A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E165K1M1HO3A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1HO3A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 1M1 2000 RHEL81E106K3M1HO3A X8L 25 0.5pF ±10% 5.5 4.0 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E106K3M1HO3A X8L 25 0.5pF ±10% 5.5 5.0 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H1322K0M1HO3A X8L 50 1000pF ±10% 3.6 3.5 6. | | RHEL82A332K0DBH03A | X8L | 100 | 3300pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A103K0DBH03A X8L 100 10000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A123K0DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A23X0DBH03A X8L 100 22000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33K1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 0.10 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 0.15pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A14K1DBH03A X8L 100 0.15pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A154K2DBH03A X8L 100 0.22pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E164K0M1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224C4K0M1H03A X8L 25 0.22pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E334K1M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E165K1M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E165K1M1H03A X8L 25 0.83pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E165K1M1H03A X8L 25 0.83pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E165K1M1H03A X8L 25 0.50pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E165K1M1H03A X8L 25 0.50pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E165K1M1H03A X8L 25 0.50pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E474K1M103A X8L 25 0.50pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 0.50pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 50 30pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E376K3M1H03A X8L 50 30pF ±10% 5.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 30pF ±10% 5.6 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 30pF ±10% 5.6 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500pF ±10% 5.6 6 | | RHEL82A472K0DBH03A | X8L | 100 | 4700pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A153K0DBH03A X8L 100 15000pF ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A223K0DBH03A X8L 100 22000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33K1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A37K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A683K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A683K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A69K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.1µF ±10% 5.0 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A154K2DBH03A X8L 100 0.15µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E154K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E24K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.3µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.3µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.4µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.8µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E45K2M1H03A X8L 25 0.8µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E105K1M1H03A X8L 25 0.8µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E125K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E425K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E4226K0M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E4226K0M1H03A X8L 25 3.3µF ±10% 5.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E426K0M1H03A X8L 25 3.3µF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H315K0M1H03A X8L 50 300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H132K0M1H03A X8L 50 300pF ±10% 3.6 3.5 6.0 5.0 2.5 | | RHEL82A682K0DBH03A | X8L | 100 | 6800pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A223K0DBH03A X8L 100 22000F ±10% 3.6 3.5 - 2.5 2.5 16.0 0DB 2000 RHEL82A33K1DBH03A X8L 100 33000F ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A63K1DBH03A X8L 100 47000F ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A63K1DBH03A X8L 100 68000FF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A63K1DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A154K2DBH03A X8L 100 0.22µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34K1M1H03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E424K0M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E474K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.47µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E155K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E125K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E25K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.5 16.0 0M1 2000 RHEL81E3H225K0M1H03A X8L 25 3.3µF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E3H225K0M1H03A X8L 25 3.3µF ±10% 5.5 5.0 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H225K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H321K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5. | | RHEL82A103K0DBH03A | X8L | 100 | 10000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A333K1DBH03A X8L 100 33000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A124K2DBH03A X8L 100 0.22pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E154K0M1H03A X8L 25 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E154K0M1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E2424K0M1H03A X8L 25 0.22pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34G4K1M1H03A X8L 25 0.33pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E56K2M1H03A X8L 25 1.0pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E56K2M1H03A X8L 25 1.0pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E35K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E156K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E165K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 1.5pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E125K2M1H03A X8L 50 3.3pF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E1225K2M1H03A X8L 50 3.3pF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H321K0M1H03A X8L 50 3.3pF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 3.3pF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H321K0M1H03A X8L 50 3.3pF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 3.3pF ±10% 5.5 5.0 5.0 5.0 2.5 16.0 0M1 2000 RHEL81H32K0M1H03A X8L 50 300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 | | RHEL82A153K0DBH03A | X8L | 100 | 15000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A473K1DBH03A X8L 100 47000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A683K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 0.1pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.1pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A22K2DBH03A X8L 100 0.2pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A224K2DBH03A X8L 100 0.2pF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.2pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E34K1M1H03A X8L 25 0.3pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E34K1M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E364K1M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E364K1M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E365K2M1H03A X8L 25 0.47pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E365K2M1H03A X8L 25 1.0pF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E365K2M1H03A X8L 25 1.0pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E35K2M1H03A X8L 25 1.0pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E235K2M1H03A X8L 25 1.2pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E363K2M1H03A X8L 25 1.2pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E363K2M1H03A X8L 25 1.2pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E363K2M1H03A X8L 25 1.2pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E226K0M1H03A X8L 25 1.2pF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E30KMN1H03A X8L 25 1.0pF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81H231K0M1H03A X8L 50 3.0pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H221K0M1H03A X8L 50 3.0pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H321K0M1H03A X8L 50 3.0pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 3.0pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 3.0pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 3.0pF ±10% 3.6 3.5 6.0 5.0 2. | | RHEL82A223K0DBH03A | X8L | 100 | 22000pF | ±10% | 3.6 | 3.5 | - | 2.5 | 2.5 | 16.0 | 0DB | 2000 |
| RHEL82A683K1DBH03A X8L 100 68000pF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A104K1DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.15µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A224K2DBH03A X8L 100 0.22µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.5µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E354K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E4576K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E475K2M1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E475K2M1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E475K2M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H321K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H421K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3000pF ±10% 3.6 3.5 6.0 5.0 2.5 | | RHEL82A333K1DBH03A | X8L | 100 | | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| RHEL82A104K1DBH03A X8L 100 0.1µF ±10% 4.0 3.5 - 2.5 2.5 16.0 1DB 2000 RHEL82A154K2DBH03A X8L 100 0.15µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A224K2DBH03A X8L 100 0.22µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E154K0M1H03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.2µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E3684K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E1684K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E5682M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E35K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E35K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E226K2M1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E335K2M1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E475K2M1H03A X8L 25 3.3µF ±10% 5.5 5.0 5.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 50 3.0µF ±10% 5.5 5.0 5.0 5.0 3.15 16.0 0M1 2000 RHEL81H031K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H03K0M1H03A X8L 50 200pF ±10% 3.6 3.5 6.0 5.0 | | RHEL82A473K1DBH03A | X8L | 100 | 47000pF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| RHEL82A154K2DBH03A X8L 100 0.15µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL82A224K2DBH03A X8L 100 0.22µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E154K0M1H03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E324K0M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E34F4K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E1225K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E165K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E1225K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E1706K3M1H03A X8L 25 4.7µF ±10% 5.5 5.0 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E1226MWM1H03A X8L 25 2.2µF ±10% 5.5 5.0 5.0 5.0 5.0 5.0 5.0 3.15 16.0 2M1 2000 RHEL81E1706K3M1H03A X8L 25 4.7µF ±10% 5.5 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | | RHEL82A683K1DBH03A | X8L | 100 | 68000pF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| RHEL82A224K2DBH03A X8L 100 0.22µF ±10% 5.5 4.0 - 2.5 3.15 16.0 2DB 2000 RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E154K0M1H03A X8L 25 0.1pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 0M1 2000 RHEL81E474K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E4684K1M1H03A X8L 25 0.48µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E165K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E25K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E16684K1M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 3.3µF ±10% 5.5 5.0 5.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 22µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81H221K0M1H03A X8L 25 22µF ±20% 5.5 7.5 5.0 4.0 16.0 3M1 1500 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H162K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H162K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H162K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 | | RHEL82A104K1DBH03A | X8L | 100 | 0.1µF | ±10% | 4.0 | 3.5 | - | 2.5 | 2.5 | 16.0 | 1DB | 2000 |
| RHEL81E104K0M1H03A X8L 25 0.1µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E154K0M1H03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E25K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E45K2M1H03A X8L 25 1.0µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E226K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E226K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E226MWM1H03A X8L 25 4.7µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 3M1 1500 RHEL81H321K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H31H31K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H1621K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL82A154K2DBH03A | X8L | 100 | 0.15µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| RHEL81E154K0M1H03A X8L 25 0.15µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E224K0M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E225K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E406K3M1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22µF ±20% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H02K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL82A224K2DBH03A | X8L | 100 | 0.22µF | ±10% | 5.5 | 4.0 | - | 2.5 | 3.15 | 16.0 | 2DB | 2000 |
| RHEL81E224K0M1H03A X8L 25 0.22µF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E225K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E325K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E406K3M1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 3M1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H122K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H122K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H333K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H333K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H333K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H333K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H333K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E104K0M1H03A | X8L | 25 | 0.1µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81E334K1M1H03A X8L 25 0.33µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E474K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E25K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22µF ±20% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E154K0M1H03A | X8L | 25 | 0.15µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81E474K1M1H03A X8L 25 0.47µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E325K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 10µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E226MWM1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81H221K0M1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H331K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E224K0M1H03A | X8L | 25 | 0.22µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81E684K1M1H03A X8L 25 0.68µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E105K1M1H03A X8L 25 1.0µF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E266M3M1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E334K1M1H03A | X8L | 25 | 0.33µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 |
| RHEL81E105K1M1H03A X8L 25 1.0μF ±10% 4.0 3.5 5.0 5.0 2.5 16.0 1M1 2000 RHEL81E155K2M1H03A X8L 25 1.5μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 2.2μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 10μF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22μF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220μF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330μF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470μF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680μF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 1000μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 1500μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 220μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 1500μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 220μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 220μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 220μρ ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E474K1M1H03A | X8L | 25 | 0.47µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 |
| RHEL81E155K2M1H03A X8L 25 1.5µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E225K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E35K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 4.7µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81H221K0M1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H331K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E684K1M1H03A | X8L | 25 | 0.68µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 |
| RHEL81E225K2M1H03A X8L 25 2.2µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E335K2M1H03A X8L 25 3.3µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7µF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 10µF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H322K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E105K1M1H03A | X8L | 25 | 1.0µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 |
| RHEL81E335K2M1H03A X8L 25 3.3μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E475K2M1H03A X8L 25 4.7μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E106K3M1H03A X8L 25 10μF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22μF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E155K2M1H03A | X8L | 25 | 1.5µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 |
| RHEL81E475K2M1H03A X8L 25 4.7μF ±10% 5.5 4.0 6.0 5.0 3.15 16.0 2M1 2000 RHEL81E206K3M1H03A X8L 25 10μF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22μF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E225K2M1H03A | X8L | 25 | 2.2µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 |
| RHEL81E106K3M1H03A X8L 25 10μF ±10% 5.5 5.0 7.5 5.0 4.0 16.0 3M1 1500 RHEL81E226MWM1H03A X8L 25 22μF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E335K2M1H03A | X8L | 25 | 3.3µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 |
| RHEL81H221K0M1H03A X8L 25 22µF ±20% 5.5 7.5 10.0 5.0 4.0 16.0 WM1 1500 RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E475K2M1H03A | X8L | 25 | 4.7µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 |
| RHEL81H221K0M1H03A X8L 50 220pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E106K3M1H03A | X8L | 25 | 10µF | ±10% | 5.5 | 5.0 | 7.5 | 5.0 | 4.0 | 16.0 | 3M1 | 1500 |
| RHEL81H331K0M1H03A X8L 50 330pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81E226MWM1H03A | X8L | 25 | 22µF | ±20% | 5.5 | 7.5 | 10.0 | 5.0 | 4.0 | 16.0 | WM1 | 1500 |
| RHEL81H471K0M1H03A X8L 50 470pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H221K0M1H03A | X8L | 50 | 220pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81H681K0M1H03A X8L 50 680pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H331K0M1H03A | X8L | 50 | 330pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81H102K0M1H03A X8L 50 1000pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H471K0M1H03A | X8L | 50 | 470pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81H152K0M1H03A X8L 50 1500pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H681K0M1H03A | X8L | 50 | 680pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81H222K0M1H03A X8L 50 2200pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H102K0M1H03A | X8L | 50 | 1000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81H332K0M1H03A X8L 50 3300pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H152K0M1H03A | X8L | 50 | 1500pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| | | RHEL81H222K0M1H03A | X8L | 50 | 2200pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| RHEL81H472K0M1H03A X8L 50 4700pF ±10% 3.6 3.5 6.0 5.0 2.5 16.0 0M1 2000 | | RHEL81H332K0M1H03A | X8L | 50 | 3300pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| | | RHEL81H472K0M1H03A | X8L | 50 | 4700pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 |
| | | | | | - | | | | | | | | | |

 Inside Crimp Taping (Lead Style: M*)



| | | | | | | | | | | | | Unit : mm | | |
|-------------|--------------------|------|--------------|---------|------|----------------|-----|------|-----|------|------|--------------------|--------------|--|
| Customer | Murata Part Number | T.C. | DC Rated | Cap. | Cap. | Dimension (mm) | | | | | | Dimension (LxW) | Pack qty. | |
| Part Number | Marata Fart Number | 1.0. | Volt. (V) | оцр. | Tol. | L | W | W1 | F | Т | H/H0 | Lead Style | (pcs) | |
| | RHEL81H682K0M1H03A | X8L | 50 | 6800pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H103K0M1H03A | X8L | 50 | 10000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H153K0M1H03A | X8L | 50 | 15000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H223K0M1H03A | X8L | 50 | 22000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H333K0M1H03A | X8L | 50 | 33000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H473K0M1H03A | X8L | 50 | 47000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H683K0M1H03A | X8L | 50 | 68000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H104K0M1H03A | X8L | 50 | 0.1µF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL81H154K1M1H03A | X8L | 50 | 0.15µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL81H224K1M1H03A | X8L | 50 | 0.22µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL81H334K1M1H03A | X8L | 50 | 0.33µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL81H474K2M1H03A | X8L | 50 | 0.47µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |
| | RHEL81H684K2M1H03A | X8L | 50 | 0.68µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |
| | RHEL81H105K2M1H03A | X8L | 50 | 1.0µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |
| | RHEL81H155K2M1H03A | X8L | 50 | 1.5µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |
| | RHEL81H225K2M1H03A | X8L | 50 | 2.2µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |
| | RHEL81H335K3M1H03A | X8L | 50 | 3.3µF | ±10% | 5.5 | 5.0 | 7.5 | 5.0 | 4.0 | 16.0 | 3M1 | 1500 | |
| | RHEL81H475K3M1H03A | X8L | 50 | 4.7µF | ±10% | 5.5 | 5.0 | 7.5 | 5.0 | 4.0 | 16.0 | 3M1 | 1500 | |
| | RHEL81H106MWM1H03A | X8L | 50 | 10µF | ±20% | 5.5 | 7.5 | 10.0 | 5.0 | 4.0 | 16.0 | WM1 | 1500 | |
| | RHEL82A221K0M1H03A | X8L | 100 | 220pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A331K0M1H03A | X8L | 100 | 330pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A471K0M1H03A | X8L | 100 | 470pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A681K0M1H03A | X8L | 100 | 680pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A102K0M1H03A | X8L | 100 | 1000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A152K0M1H03A | X8L | 100 | 1500pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A222K0M1H03A | X8L | 100 | 2200pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A332K0M1H03A | X8L | 100 | 3300pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A472K0M1H03A | X8L | 100 | 4700pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A682K0M1H03A | X8L | 100 | 6800pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A103K0M1H03A | X8L | 100 | 10000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A153K0M1H03A | X8L | 100 | 15000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A223K0M1H03A | X8L | 100 | 22000pF | ±10% | 3.6 | 3.5 | 6.0 | 5.0 | 2.5 | 16.0 | 0M1 | 2000 | |
| | RHEL82A333K1M1H03A | X8L | 100 | 33000pF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL82A473K1M1H03A | X8L | 100 | 47000pF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL82A683K1M1H03A | X8L | 100 | 68000pF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL82A104K1M1H03A | X8L | 100 | 0.1µF | ±10% | 4.0 | 3.5 | 5.0 | 5.0 | 2.5 | 16.0 | 1M1 | 2000 | |
| | RHEL82A154K2M1H03A | X8L | 100 | 0.15µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |
| | RHEL82A224K2M1H03A | X8L | 100 | 0.22µF | ±10% | 5.5 | 4.0 | 6.0 | 5.0 | 3.15 | 16.0 | 2M1 | 2000 | |

Reference only

| . AE | | | cifications and Test Methods | | | | | | | |
|------|-------------------------------|-------------|--|---|--|--|--|--|--|--|
| No. | AEC-Q200 | | Specification | AEC-Q200 Test Method | | | | | | |
| 1 | Test Item Pre-and Post-Stress | | | | | | | | | |
| | Electrical Test | 011000 | | - | | | | | | |
| 2 | High | Appearance | No defects or abnormalities. | Sit the capacitor for 1000±12 hours at 150±3°C. Let sit for 24±2 hours | | | | | | |
| | Temperature | Capacitance | within ±12.5% | at *room condition, then measure. | | | | | | |
| | Exposure | Change | | | | | | | | |
| | (Storage) | D.F. | 0.04 max. | •Pretreatment | | | | | | |
| | | I.R. | More than 1,000MΩ or 50MΩ • μF | Perform the heat treatment at 150+0/-10°C for 60±5 min and | | | | | | |
| | | | (Whichever is smaller) | then let sit for 24±2 hours at *room condition. | | | | | | |
| 3 | Temperature | Appearance | No defects or abnormalities except color | Perform the 1000 cycles according to the four heat treatments listed | | | | | | |
| | Cycling | | change of outer coating. | in the following table. Let sit for 24±2 hours at *room condition, then measu | | | | | | |
| | | Capacitance | within ±12.5% | Step 1 2 3 4 | | | | | | |
| | | Change | | Temp55+0/-3 Room 150+3/-0 Room | | | | | | |
| | | D.F. | 0.05 max. | (°C) Temp. Temp. | | | | | | |
| | | I.R. | 1,000MΩ or 50MΩ∙μF min. | Time (min.) 15±3 1 15±3 1 | | | | | | |
| | | | (Whichever is smaller) | | | | | | | |
| | | | | •Pretreatment | | | | | | |
| | | | | Perform the heat treatment at 150+0/-10°C for 60±5 min and | | | | | | |
| _ | <u> </u> | ļ | | then let sit for 24±2 hours at *room condition. | | | | | | |
| 4 | Moisture | Appearance | No defects or abnormalities. | Apply the 24 hours heat (25 to 65°C) and humidity (80 to 98%) | | | | | | |
| | Resistance | Capacitance | within ±12.5% | treatment shown below, 10 consecutive times. | | | | | | |
| | | Change | 10.00 | Let sit for 24±2 hours at *room condition, then measure. | | | | | | |
| | | D.F. | 0.05 max. | Temperature Humidity Humidity (9C) Humidity 80~98% Humidity 80~98% Humidity | | | | | | |
| | | I.R. | 500MΩ or 25MΩ•μF min. | (°C) 90~98% V 90~98% V 90~98% | | | | | | |
| | | | (Whichever is smaller) | 65 | | | | | | |
| | | | | 60 | | | | | | |
| | | | | 55 | | | | | | |
| | | | | §50 845 | | | | | | |
| | | | | 940 | | | | | | |
| | | | | [§35 | | | | | | |
| | | | | 30 25 35 | | | | | | |
| | | | | 20 +10 | | | | | | |
| | | | | - 2 °C | | | | | | |
| | | | | 10 Initial measurement | | | | | | |
| | | | | 5 0 | | | | | | |
| | | | | -5 | | | | | | |
| | | | | -10 One cycle 24 hours | | | | | | |
| | | | | 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | | | | | | |
| | | | | Hours | | | | | | |
| | | | | •Pretreatment | | | | | | |
| | | | | Perform the heat treatment at 150+0/-10°C for 60±5 min and | | | | | | |
| | | | | then let sit for 24±2 hours at *room condition. | | | | | | |
| 5 | Biased | Appearance | No defects or abnormalities. | Apply the rated voltage and DC1.3+0.2/-0V (add 100kΩ resistor) | | | | | | |
| | Humidity | Capacitance | within ±12.5% | at 85±3°C and 80 to 85% humidity for 1,000±12 hours. | | | | | | |
| | | Change | | Remove and let sit for 24±2 hours at *room condition, then measure. | | | | | | |
| | | D.F. | 0.05 max. | The charge/discharge current is less than 50mA. | | | | | | |
| | | I.R. | 500MΩ or 25MΩ•μF min. | Pretreatment | | | | | | |
| | | | (Whichever is smaller) | Perform a heat treatment at 150+0/-10°C for one hour. | | | | | | |
| | | | | and then set at room temperature for 24±2 hours. | | | | | | |
| 6 | Operational | Appearance | No defects or abnormalities except color | Apply 150% of the rated voltage for 1,000±12 hours at 150±3°C. | | | | | | |
| | Life | | change of outer coating. | Let sit for 24±2 hours at *room condition, then measure. | | | | | | |
| | | Capacitance | within ±12.5% | The charge/discharge current is less than 50mA. | | | | | | |
| | | Change | | •Pretreatment | | | | | | |
| | | D.F. | 0.04 max. | Apply test voltage for 60±5 min at test temperature. | | | | | | |
| | | I.R. | 1,000MΩ or 50MΩ∙μF min. | Remove and let sit for 24±2 hours at *room condition. | | | | | | |
| | | | (Whichever is smaller) | | | | | | | |
| 7 | External Visua | ıl | No defects or abnormalities. | Visual inspection. | | | | | | |
| 8 | Physical Dime | nsion | Within the specified dimensions. | Using calipers and micrometers. | | | | | | |
| 9 | Marking | | To be easily legible. | Visual inspection. | | | | | | |
| 10 | Resistance | Appearance | No defects or abnormalities. | Per MIL-STD-202 Method 215 | | | | | | |
| | to Solvents | Capacitance | Within the specified tolerance. | Solvent 1 : 1 part (by volume) of isopropyl alcohol | | | | | | |
| | | D.F. | 0.025 max. | 3 parts (by volume) of mineral spirits | | | | | | |
| | | I.R. | More than 10,000MΩ or 500 MΩ∙μF | Solvent 2 : Terpene defluxer | | | | | | |
| | | 1 | (Whichever is smaller) | Solvent 3 : 42 parts (by volume) of water | | | | | | |
| | | | The second secon | 1 part (by volume) of propylene glycol monomethyl ether | | | | | | |
| | | 1 | | ipart (b) volume, or propylene glycol monomentyl ether | | | | | | |
| | | | | 1 part (by volume) of monoethanolamine | | | | | | |

| | | | Referen | ce only | | | | | | |
|------|---------------------------------------|---------------------|--|--|--|--|--|--|--|--|
| No. | AEC Tes | -Q200 Specification | | AEC-Q200 Test Method | | | | | | |
| 11 | Mechanical | Appearance | No defects or abnormalities. | Three shocks in each direction should be applied along 3 | | | | | | |
| | Shock | Capacitance | Within the specified tolerance. | mutually perpendicular axes of the test specimen (18 shocks). | | | | | | |
| | | D.F. | 0.025 max. | The specified test pulse should be Half-sine and should have a | | | | | | |
| | | | | duration: 0.5ms, peak value: 1500G and velocity change: 4.7m/s. | | | | | | |
| 12 | Vibration | Appearance | No defects or abnormalities. | The capacitor should be subjected to a simple harmonic motion | | | | | | |
| | | Capacitance | Within the specified tolerance. | having a total amplitude of 1.5mm, the frequency being varied | | | | | | |
| | | D.F. | 0.025 max. | uniformly between the approximate limits of 10 and 2000Hz. | | | | | | |
| | | | | The frequency range, from 10 to 2000Hz and return to 10Hz, | | | | | | |
| | | | | should be traversed in approximately 20 min. This motion | | | | | | |
| | | | | should be applied for 12 items in each 3 mutually perpendicular | | | | | | |
| | | | | directions (total of 36 times). | | | | | | |
| 13-1 | Resistance | Appearance | No defects or abnormalities. | The lead wires should be immersed in the melted solder 1.5 to 2.0mm | | | | | | |
| | to Soldering | Capacitance | Within ±7.5% | from the root of terminal at 260±5°C for 10±1 seconds. | | | | | | |
| | Heat | Change | | 4_ | | | | | | |
| | (Non- | Dielectric | No defects. | Pre-treatment | | | | | | |
| | Preheat) | Strength | | Capacitor should be stored at 150+0/-10°C for one hour, | | | | | | |
| | | (Between | | then place at *room condition for 24±2 hours before initial measurement. | | | | | | |
| | | terminals) | | • Post-treatment | | | | | | |
| | | | | Capacitor should be stored for 24±2 hours at *room condition. | | | | | | |
| 13-2 | Resistance | Appearance | No defects or abnormalities. | First the capacitor should be stored at 120+0/-5°C for 60+0/-5 seconds. | | | | | | |
| | to Soldering | Capacitance | Within ±7.5% | Then, the lead wires should be immersed in the melted solder | | | | | | |
| | Heat | Change | | 1.5 to 2.0mm from the root of terminal at 260±5°C for 7.5+0/-1 seconds. | | | | | | |
| | (On- | Dielectric | No defects. | | | | | | | |
| | Preheat) | Strength | | Pre-treatment | | | | | | |
| | | (Between | | Capacitor should be stored at 150+0/-10°C for one hour, | | | | | | |
| | | terminals) | | then place at *room condition for 24±2 hours before initial measurement. | | | | | | |
| | | | | Post-treatment | | | | | | |
| 40.0 | 5 | | N. 1.5 1 199 | Capacitor should be stored for 24±2 hours at *room condition. | | | | | | |
| 13-3 | Resistance | Appearance | No defects or abnormalities. | Test condition | | | | | | |
| | to Soldering | Capacitance | Within ±7.5% | Temperature of iron-tip: 350±10°C | | | | | | |
| | Heat | Change | N 16 | Soldering time: 3.5±0.5 seconds | | | | | | |
| | (soldering | Dielectric | No defects | Soldering position | | | | | | |
| | iron method) | Strength | | Straight Lead: 1.5 to 2.0mm from the root of terminal. Crimp Lead: 1.5 to 2.0mm from the end of lead bend. | | | | | | |
| | | (Between | | Crimp Lead: 1.5 to 2.0mm from the end of lead bend. | | | | | | |
| | | terminals) | | But has discord | | | | | | |
| | | | | • Pre-treatment | | | | | | |
| | | | | Capacitor should be stored at 150+0/-10°C for one hour, | | | | | | |
| | | | | then place at *room condition for 24±2 hours before initial measurement. • Post-treatment | | | | | | |
| | | | | | | | | | | |
| 14 | Thermal | Appearance | No defects or abnormalities. | Capacitor should be stored for 24±2 hours at *room condition. Perform the 300 cycles according to the two heat treatments listed in the | | | | | | |
| 14 | Shock | Capacitance | within ±12.5% | following table (Maximum transfer time is 20 seconds.). | | | | | | |
| | OTIOOK | Change | Within 112.570 | Let sit for 24±2 hours at *room condition, then measure. | | | | | | |
| | | D.F. | 0.05 max. | Step 1 2 | | | | | | |
| | | I.R. | 1,000MΩ or 50MΩ•μF min. | | | | | | | |
| | | | (Whichever is smaller) | Temp. (°C) -55+0/-3 150+3/-0 | | | | | | |
| | | | (vviiionovor is ornamor) | Time 45.0 | | | | | | |
| | | | | (min.) 15±3 15±3 | | | | | | |
| | | | | •Pretreatment | | | | | | |
| | | | | Perform the heat treatment at 150+0/-10°C for 60±5 min and | | | | | | |
| | | | | then let sit for 24±2 hours at *room condition. | | | | | | |
| 15 | ESD | Appearance | No defects or abnormalities. | Per AEC-Q200-002 | | | | | | |
| | | Capacitance | Within the specified tolerance. | 1 | | | | | | |
| | | D.F. | 0.025 max. | 1 | | | | | | |
| | | I.R. | More than 10,000MΩ or 500MΩ∙μF | 1 | | | | | | |
| | | | (Whichever is smaller) | | | | | | | |
| 16 | Solderability | | Lead wire should be soldered with | The terminal of a capacitor is dipped into a solution of ethanol | | | | | | |
| | , , , , , , , , , , , , , , , , , , , | | uniform coating on the axial direction | (JIS-K-8101) and rosin (JIS-K-5902) (25% rosin in weight propotion) | | | | | | |
| | | | over 95% of the circumferential direction. | and then into molten solder (JIS-Z-3282) for 2±0.5 seconds. In both cases | | | | | | |
| | | | | the depth of dipping is up to about 1.5 to 2mm from the terminal body. | | | | | | |
| | | | | | | | | | | |
| | | | | Temp. of solder : | | | | | | |
| | | | | 245±5°C Lead Free Solder (Sn-3.0Ag-0.5Cu) | | | | | | |
| | | | | 235±5°C H60A or H63A Eutectic Solder | | | | | | |
| | • | | to 35°C, Relative humidity : 45 to 75%, Atmo | <u>L</u> | | | | | | |

Reference only

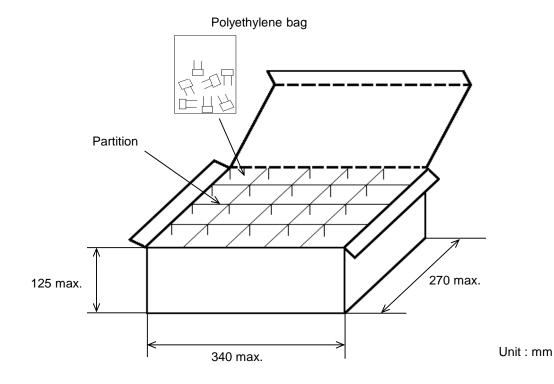
| Reference only | | | | | | | | | | | | |
|-----------------------------------|-----------------|-----------------|------------------|------------------------------------|---|--|----------------|--------------|---------------|-------------------------------------|--|--|
| AEC-Q200 Specifications Test Item | | | | | AEC-Q200 Test Method | | | | | | | |
| Εl | Electrical | Appearance | No defects or | abnormalities. | Visual in | Visual inspection. | | | | | | |
| Cł | characte- | Capacitance | Within the spe | cified tolerance. | The capacitance/D.F. should be measured at 25°C at the | | | | | | | |
| riz | zation | D.F. | 0.025 max. | | frequenc | cy and voltage sho | wn in the tabl | e. | | | | |
| | | | | | | Nominal Cap. | Frequency | Vo | ltage | 7 | | |
| | | | | | | C≦1000pF | 1±0.1MHz | | SV (r.m.s.) | 1 | | |
| | | | | | 10 | ıF≧C>1000pF | 1±0.1kHz | AC1±0. | 2V (r.m.s.) | 1 | | |
| | | | | | | C>10µF | 120±24Hz | | .1V (r.m.s.) |] | | |
| | | Insulation | Room | 10,000MΩ or 500MΩ•μF min. | The insu | lation resistance s | should be mea | asured at 2 | 5±3 °C with | | | |
| | | Resistance | Temperature | (Whichever is smaller) | a DC vo | Itage not exceeding | g the rated vo | oltage at no | rmal tempera | iture | | |
| | | (I.R.) | | | | nidity and within 2 | - | ng. | | | | |
| | | | | | | /Discharge current | | | | | | |
| | | | High | 100MΩ or 5MΩ•μF min. | The insulation resistance should be measured at 150±3 °C with | | | | | | | |
| | | | Temperature | (Whichever is smaller) | | Itage not exceeding | - | - | rmal tempera | ıture | | |
| | | | | | | nidity and within 2 | - | ng. | | | | |
| | | | | | | /Discharge current | - | | | | | |
| | | Dielectric | Between | No defects or abnormalities. | | acitor should not b | | | | Ď | | |
| | | Strength | Terminals | | | ted voltage is app | lied between | tne termina | tions for | | | |
| | | | | | 1 to 5 se | | | | | | | |
| | | | | N 16 4 1 199 | | /Discharge current | | | N 0 | | | |
| | | | Body | No defects or abnormalities. | | acitor is placed in | | | X | | | |
| | | | Insulation | | balls of 1mm diameter so that each terminal, short-circuit is kept approximately 2mm from the balls, and 250% of the rated DC voltage is impressed for 1 to 5 seconds between | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | capacitor terminals and metal balls. | | | | | | | |
| | | | | | | /Discharge current | | | | vietai balls | | |
| Τε | erminal | Tensile | Termination no | ot to be broken or loosened. | | e figure, fix the cap | | apply the fo | rce gradually | | | |
| | Strength | Strength | Tommadon n | or to be broken or legeonica. | | lead in the radial o | - | | - | | | |
| - | u.o.i.gu. | ou ongur | | | 10N and then keep the force applied for 10±1 seconds. | | | | | | | |
| | | | | | / | 1441 | | | | | | |
| | | | | | | } | | | | | | |
| | | | | | * | | | | | | | |
| | | Bending | Termination no | ot to be broken or loosened. | Each lead wire should be subjected to a force of 2.5N and then be bent 90° at the point of egress in one direction. Each wire is then returned to the original position and bent 90° | | | | | | | |
| | | Strength | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | in the opposite direction at the rate of one bend per 2 to 3 seconds. | | | | | | | |
| Ca | Capacitance | | Within the spe | cified Tolerance. | The capa | acitance change s | hould be mea | sured after | 5min. | | | |
| | emperature | | -55 to 125°C : | | at each | specified temperate | ture step. | | | | | |
| Cł | Characteristics | | 125 to 150°C | within +15/-40% | | Step | Tempera | ture(°C) | | | | |
| | | | | | | 1 | 25± | 2 | | | | |
| | | | | | | 2 | -55± | :3 | | | | |
| | | | | | | 3 | 25± | 2 | | | | |
| | | | | | | 4 | 150± | :3 | | | | |
| | | | | | | 5 | 25± | 2 | | | | |
| | | | | | The rand | res of canacitance | change com | nared with | the above | | | |
| | | | | | , | The ranges of capacitance change compared with the above 25°C value over the temperature ranges shown in the table | | | | | | |
| | | | | | | e within the specif | - | | | | | |
| | | | | | •Pretrea | • | iou ianges. | | | | | |
| | | | | | | | t at 150+0/-10 |)°C for 60+ | 5 min and | | | |
| | | | | | | | | | and | | | |
| | | | | | then let sit for 24±2 hours at *room condition. Perform the initial measurement. | | | | | | | |
| c | condition" Te | emperature : 15 | to 35°C, Relativ | ve humidity: 45 to 75%, Atmospher | | | | | | | | |
| | | , | | , | , | | | | | | | |
| | | | | | | | | | | | | |
| C | condition" Te | emperature : 15 | to 35°C, Relativ | ve humidity : 45 to 75%, Atmospher | Perform then let s Perform | the heat treatmen sit for 24±2 hours the initial measure | at *room c | | | //-10°C for 60±5 min and condition. | | |

ESRH01F

6. Packing specification

•Bulk type (Packing style code : B)

The size of packing case and packing way



The number of packing = *1 Packing quantity × *2 n

*1 : Please refer to [Part number list].

*2 : Standard n = 20 (bag)

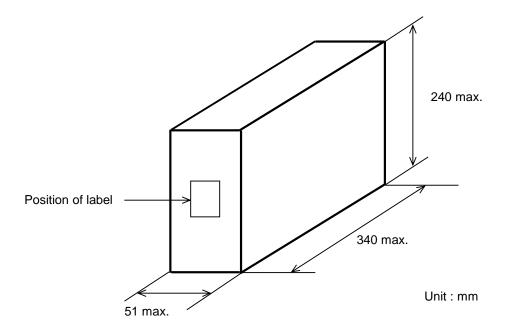
Note)

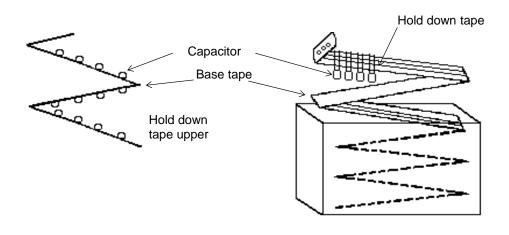
The outer package and the number of outer packing be changed by the order getting amount.

•Ammo pack taping type (Packing style code : A)

A crease is made every 25 pitches, and the tape with capacitors is packed zigzag into a case. When body of the capacitor is piled on other body under it.

The size of packing case and packing way



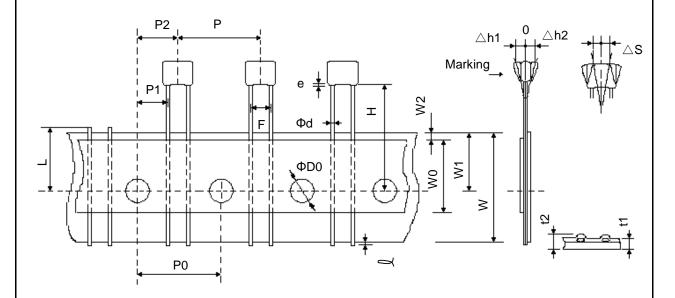


7. Taping specification

7-1. Dimension of capacitors on tape

Straight taping type < Lead Style : DB >

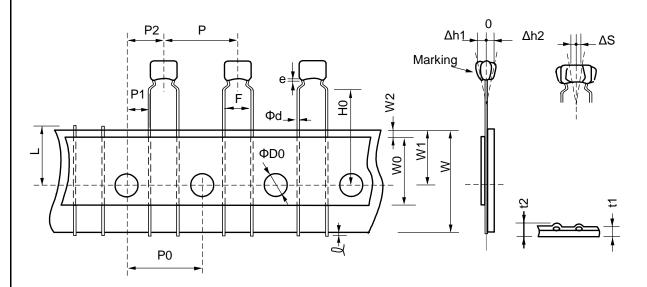
Pitch of component 12.7mm / Lead spacing 2.5mm



Unit: mm

| Item | Code | Dimensions | Remarks | | |
|--|------|--------------|-------------------------------------|--|--|
| Pitch of component | Р | 12.7+/-1.0 | | | |
| Pitch of sprocket hole | P0 | 12.7+/-0.2 | | | |
| Lead spacing | F | 2.5+0.4/-0.2 | | | |
| Length from hole center to component center | | 6.35+/-1.3 | Deviation of progress direction | | |
| Length from hole center to lead | P1 | 5.1+/-0.7 | | | |
| Deviation along tape, left or right defect | ΔS | 0+/-2.0 | They include deviation by lead bend | | |
| Carrier tape width | W | 18.0+/-0.5 | | | |
| Position of sprocket hole | W1 | 9.0+0/-0.5 | Deviation of tape width direction | | |
| Lead distance between reference and bottom plane | н | 16.0+/-0.5 | | | |
| Protrusion length | L | 0.5 max. | | | |
| Diameter of sprocket hole | ФD0 | 4.0+/-0.1 | | | |
| Lead diameter | Фd | 0.5+/-0.05 | | | |
| Total tape thickness | t1 | 0.6+/-0.3 | They include hold down tape | | |
| Total thickness of tape and lead wire | t2 | 1.5 max. | thickness | | |
| Deviation across tape | Δh1 | 1.0 max. | | | |
| Deviation across tape | Δh2 | 1.0 IIIax. | | | |
| Portion to cut in case of defect | L | 11.0+0/-1.0 | | | |
| Hold down tape width | W0 | 9.5 min. | | | |
| Hold down tape position | W2 | 1.5+/-1.5 | | | |
| Coating extension on lead | е | 1.5 max. | | | |

Inside crimp taping type < Lead Style : M1 > Pitch of component 12.7mm / Lead spacing 5.0mm

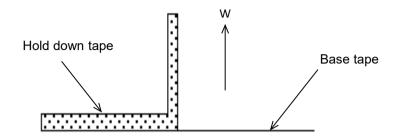


Unit: mm

| Item | Code | Dimensions | Remarks |
|--|------|------------------|-------------------------------------|
| Pitch of component | Р | 12.7+/-1.0 | |
| Pitch of sprocket hole | P0 | 12.7+/-0.2 | |
| Lead spacing | F | 5.0+0.6/-0.2 | |
| Length from hole center to component center | | 6.35+/-1.3 | Deviation of progress direction |
| Length from hole center to lead | P1 | 3.85+/-0.7 | |
| Deviation along tape, left or right defect | ΔS | 0+/-2.0 | They include deviation by lead bend |
| Carrier tape width | W | 18.0+/-0.5 | |
| Position of sprocket hole | W1 | 9.0+0/-0.5 | Deviation of tape width direction |
| Lead distance between reference and bottom plane | H0 | 16.0+/-0.5 | |
| Protrusion length | L | 0.5 max. | |
| Diameter of sprocket hole | ФD0 | 4.0+/-0.1 | |
| Lead diameter | Фd | 0.5+/-0.05 | |
| Total tape thickness | t1 | 0.6+/-0.3 | They include hold down tape |
| Total thickness of tape and lead wire | t2 | 1.5 max. | thickness |
| Deviation across tape | ∆ h1 | 2.0 max. (Di | mension code : W) |
| Deviation across tape | ∆ h2 | 1.0 max. (ex | ccept as above) |
| Portion to cut in case of defect | L | 11.0+0/-1.0 | |
| Hold down tape width | W0 | 9.5 min. | |
| Hold down tape position | W2 | 1.5+/-1.5 | |
| Coating extension on lead | е | Up to the end of | crimp |

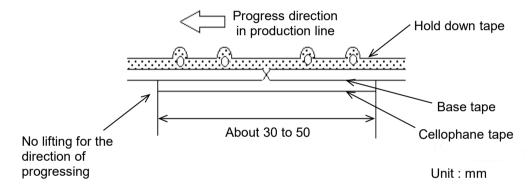
7-2. Splicing way of tape

1) Adhesive force of tape is over 3N at test condition as below.

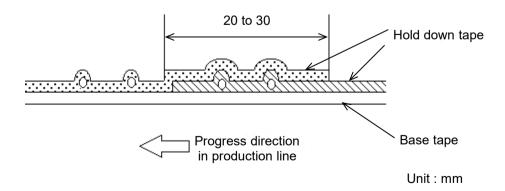


2) Splicing of tape

- a) When base tape is spliced
 - •Base tape shall be spliced by cellophane tape. (Total tape thickness shall be less than 1.05mm.)



- b) When hold down tape is spliced
 - •Hold down tape shall be spliced with overlapping. (Total tape thickness shall be less than 1.05mm.)



c) When both tape are spliced

•Base tape and hold down tape shall be spliced with splicing tape.