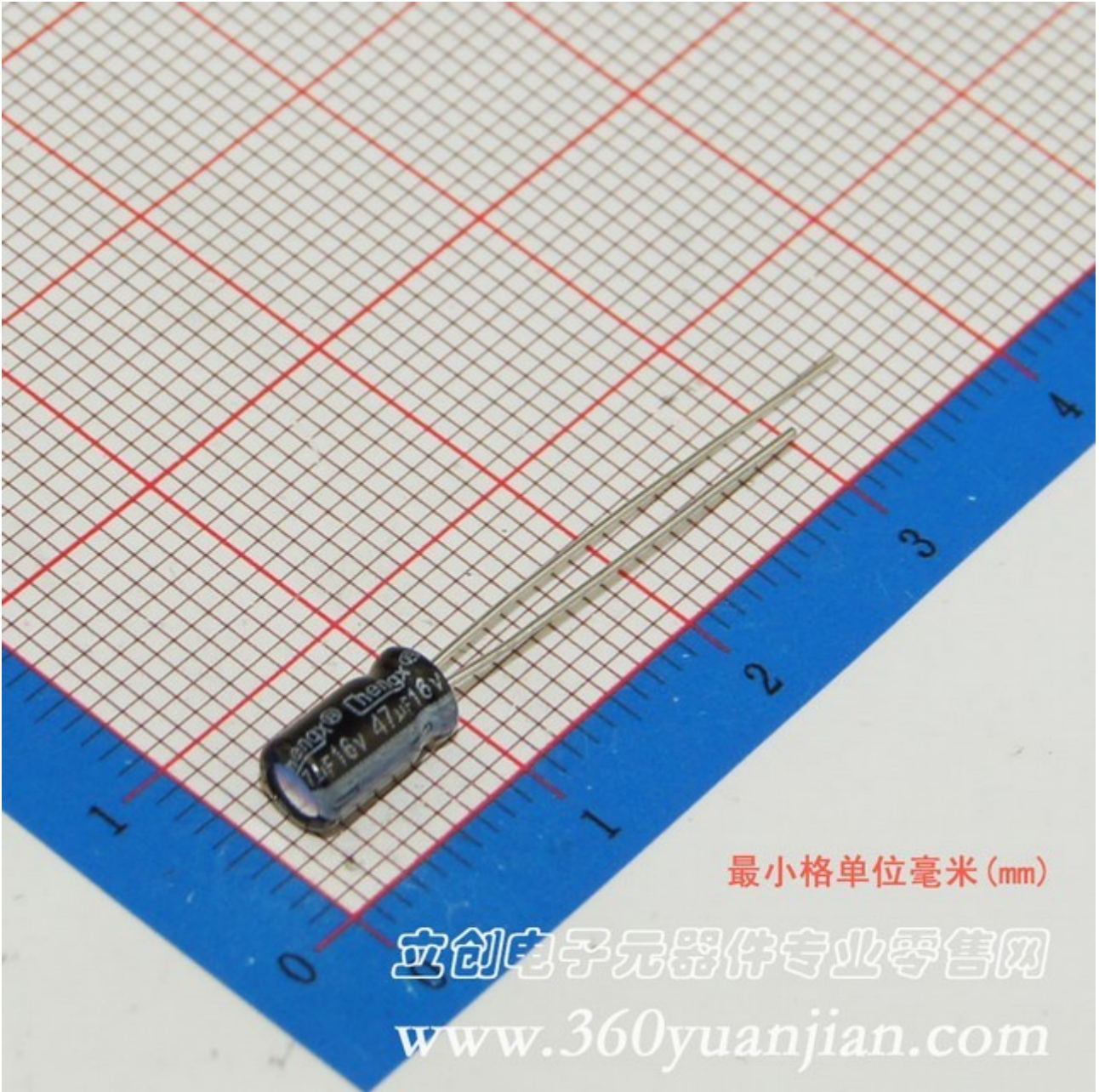


此商品编号对应的规格参数是: 47uF 16V 4*7

此商品的实物图片为:



最小格单位毫米 (mm)

立创电子元器件专业零售网

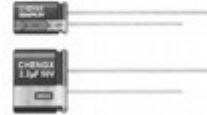
www.360yuanjian.com

KS Series

7mmL(高), -40°C~ +105°C

FEATURES

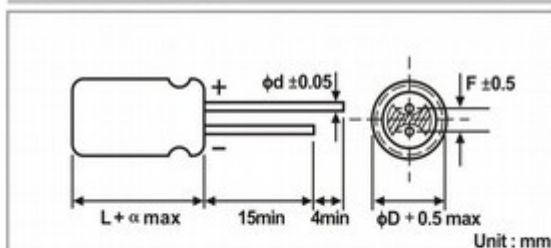
1. Rated working voltage range 6.3 to 50V DC operation temperature range -40 to +105°C.
2. This series is for communication equipments, switching power supply, industrial measuring instruments, automotive electric products, etc.



SPECIFICATIONS

| Item | Performance Characteristics | |
|---------------------------------|--|--|
| Operating Temperature Range | -40 to +105°C | |
| Rated Working Voltage Range | 6.3 to 50V | |
| Nominal Capacitance Range | 0.1 to 220 μ F | |
| Capacitance Tolerance | $\pm 20\%$ (120Hz, +20°C) | |
| Leakage Current | $I \leq 0.01CV$ or $3(\mu A)$ Whichever is greater measured after 2 minutes application of rated working voltage at +20°C | |
| $\tan \delta$ (120Hz, +20°C) | Working Voltage (V) | 6.3 10 16 25 35 50 |
| | $\tan \delta$ (max.) | 0.24 0.21 0.18 0.15 0.13 0.12 |
| Low Temperature Characteristics | Impedance ratio max. at 120Hz | |
| | Working Voltage (V) | 6.3 10 16 25 35 50 |
| | Z-25°C / Z+20°C | 4 2 2 2 2 2 |
| | Z-40°C / Z+20°C | 8 6 4 3 3 3 |
| High Temperature Loading | Test conditions | Post test requirements at +20°C |
| | Duration : 1000 hours Ambient temp. : +105°C Applied voltage : Rated DC working voltage with rated ripple current | Leakage current : \leq Initial specified value Cap. Change : within $\pm 20\%$ of initial measured value $\tan \delta$: $\leq 200\%$ of initial specified value |
| Shelf Life | Test conditions | Post test requirements at +20°C |
| | Duration : 1000 hours Ambient temp. : +105°C Applied voltage : (None) | Same limits for high temperature loading. |
| Others | JIS C - 5101 (IES 60384) | |

CASE SIZE TABLE



| ϕD | 4 | 5 | 6.3 | 8 | | | | |
|----------|----------------|-----|------------------|-----|--|--|--|--|
| F | 1.5 | 2.0 | 2.5 | 3.5 | | | | |
| ϕd | 0.45 | | 0.45 | | | | | |
| α | (L \leq 7) 1 | | (L \geq 9) 1.5 | | | | | |

RIPPLE CURRENT MULTIPLIER

| Frequency Coefficient | | | | | | |
|-----------------------|-------------|------|------|------|------|------|
| Cap(μ F) | Coefficient | 50 | 120 | 300 | 1k | 10k~ |
| ≤ 47 | | 0.75 | 1.00 | 1.35 | 1.57 | 2.00 |
| 68~470 | | 0.80 | 1.00 | 1.23 | 1.34 | 1.50 |

KS Series

7mmL(高), -40°C ~ +105°C

STANDARD RATINGS

| Voltage (Code) | | 6.3V (0J) | | 10V (1A) | | 16V (1C) | | 25V (1E) | |
|----------------|------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|
| Cap.(μ F) | Code | Case Size | Ripple Current | Case Size | Ripple Current | Case Size | Ripple Current | Case Size | Ripple Current |
| 0.1 | 104 | | | | | | | | |
| 0.22 | 224 | | | | | | | | |
| 0.33 | 334 | | | | | | | | |
| 0.47 | 474 | | | | | | | | |
| 1 | 105 | | | | | | | | |
| 2.2 | 225 | | | | | | | | |
| 3.3 | 335 | | | | | | | | |
| 4.7 | 475 | | | | | | | | |
| 10 | 106 | | | | | 4 x 7 | 29 | 4 x 7 | 29 |
| 22 | 226 | 4 x 7 | 34 | 4 x 7 | 34 | 4 x 7 | 38 | 5 x 7 | 45 |
| 33 | 336 | 4 x 7 | 37 | 4 x 7 | 40 | 5 x 7 | 50 | 5 x 7 | 55 |
| 47 | 476 | 4 x 7 | 44 | 5 x 7 | 50 | 5 x 7 | 60 | 6.3 x 7 | 67 |
| 100 | 107 | 5 x 7 | 67 | 6.3 x 7 | 83 | 6.3 x 7 | 92 | 6.3 x 7 | 95 |
| 220 | 227 | 6.3 x 7 | 112 | 8 x 7 | 140 | | | 8 x 7 | 158 |

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ϕ D x L(mm)

| Voltage (Code) | | 35V (1V) | | 50V (1H) | | | | | |
|----------------|------|-----------|----------------|-----------|----------------|--|--|--|--|
| Cap.(μ F) | Code | Case Size | Ripple Current | Case Size | Ripple Current | | | | |
| 0.1 | 104 | | | 4 x 7 | 1.0 | | | | |
| 0.22 | 224 | | | 4 x 7 | 2.3 | | | | |
| 0.33 | 334 | | | 4 x 7 | 3.5 | | | | |
| 0.47 | 474 | | | 4 x 7 | 5.0 | | | | |
| 1 | 105 | | | 4 x 7 | 10 | | | | |
| 2.2 | 225 | | | 4 x 7 | 19 | | | | |
| 3.3 | 335 | | | 4 x 7 | 24 | | | | |
| 4.7 | 475 | 4 x 7 | 24 | 5 x 7 | 29 | | | | |
| 10 | 106 | 5 x 7 | 36 | 6.3 x 7 | 44 | | | | |
| 22 | 226 | 6.3 x 7 | 57 | 8 x 7 | 65 | | | | |
| 33 | 336 | 6.3 x 7 | 62 | | | | | | |
| 47 | 476 | 6.3 x 7 | 78 | | | | | | |
| 100 | 107 | 8 x 9 | 95 | | | | | | |
| 220 | 227 | | | | | | | | |

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ϕ D x L(mm)