

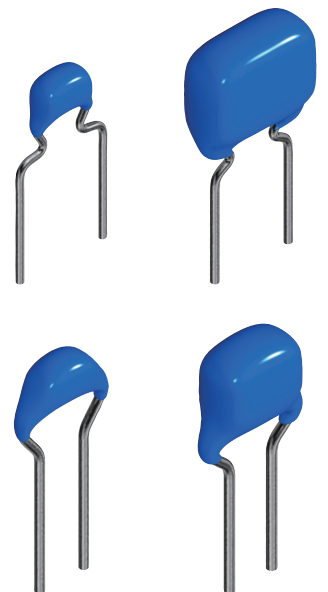
# MLCC with dipped radial lead

(Halogen-free, automotive grade)

## FA series

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Type:	Lead pitch	5.0 mm
		FA28 [4.0x5.5mm]
		FA24 [4.5x5.5mm]
		FA26 [5.5x6.0mm]
		FA20 [5.5x7.0mm]
		FA22 [7.5x8.5mm]
		FA23 [8.5x11.0mm]
	Lead pitch	2.5 mm
		FA18 [4.0x5.5mm]
		FA14 [4.5x5.5mm]
		FA16 [5.5x6.0mm]
		FA11 [5.5x7.0mm]



## REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

### SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products

### REMINDERS

1. The products listed in this specification are intended for use in automotive applications under normal operation and usage conditions. The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality requires a more stringent level of safety or reliability, or whose failure, malfunction or defect could cause serious damage to society, person or property.

Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this specification sheet. If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in this specification, please contact us.

- |  |  |
|--|--|
| (1) Aerospace/aviation equipment   | (7) Transportation control equipment   |
| (2) Transportation equipment (electric trains, ships, etc.)                          | (8) Public information-processing equipment                                  |
| (3) Medical equipment (excepting Pharmaceutical Affairs Law classification Class1,2) | (9) Military equipment   |
| (4) Power-generation control equipment   | (10) Electric heating apparatus, burning equipment                           |
| (5) Atomic energy-related equipment  | (11) Disaster prevention/crime prevention equipment                          |
| (6) Seabed equipment   | (12) Safety equipment  |
|  | (13) Other applications that are not considered general-purpose applications |

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

In addition, although the products listed in this specification are intended for use in automotive applications as described above, they are not prohibited to use in general electronic equipment, whose performance and/or quality doesn't require a more stringent level of safety or reliability, or whose failure, malfunction or defect could not cause serious damage to society, person or property. Therefore, the description of this caution will be applied, when the products are used in general electronic equipment under a normal operation and usage conditions.

2. We may modify products or discontinue production of a product listed in this catalog without prior notification.
3. We provide "Delivery Specification" that explain precautions for the specifications and safety of each product listed in this catalog. We strongly recommend that you exchange these delivery specifications with customers that use one of these products.
4. If you plan to export a product listed in this catalog, keep in mind that it may be a restricted item according to the "Foreign Exchange and Foreign Trade Control Law". In such cases, it is necessary to acquire export permission in harmony with this law.
5. Any reproduction or transferring of the contents of this catalog is prohibited without prior permission from our company.
6. We are not responsible for problems that occur related to the intellectual property rights or other rights of our company or a third party when you use a product listed in this catalog. We do not grant license of these rights.
7. This catalog only applies to products purchased through our company or one of our company's official agencies. This catalog does not apply to products that are purchased through other third parties.

# MLCC with dipped radial lead

Product compatible with RoHS directive  
Halogen-free

Halogen-free, automotive grade

## Overview of the FA series

### FEATURES

- Voltage rating of 25V to 630V with capacitance range of 1pF to 22μF
- Qualified based on AEC-Q200

### APPLICATION

- Noise reduction measures for various motors for automotive use
- Resonant circuits in areas such as keyless entry systems
- Bypass capacitors and smoothing capacitors for switching power sources, etc.
- Snubber circuits
- PFC input filters

### PART NUMBER CONSTRUCTION

FA	2	8	COG	1H	010	C	□□□	□
Series name	Lead pitch (mm)	LxWxT Dimensions (mm)	Capacitance temperature characteristics	Rated voltage (V)	Nominal capacitance (pF)	Capacitance tolerance	Internal code	Packaging style
	1   2.5	8   4.0x5.5x2.5	COG   0±30ppm/°C	1E   25	010   1	C   ±0.25pF		0   Bulk
	2.   5.0	4   4.5x5.5x3.0	X7R   ±15%	1H   50	100   10	D   ±0.5pF		6   Taping
		6   5.5x6.0x3.5	X7S   ±22%	2A   100	101   100	J   ±5%		
		0   5.5x7.0x4.0	X7T   +22, -33%	2E   250	102   1,000	K   ±10%		
		1   5.5x7.0x4.0		2W   450		M   ±20%		
		2   7.5x8.5x4.5		2J   630				
		3   8.5x11.0x5.5						


### TEMPERATURE RANGE

Capacitance temperature characteristics	Temperature range*	
	Operating temperature (°C)	Storage temperature** (°C)
COG, X7R, X7S, X7T	-55 to +125	-55 to +125

\* The maximum operating temperature includes capacitor self-generated heat of up to 20°C.

\*\*The storage temperature range is for after the assembly.

- RoHS Directive Compliant Product: See the following for more details. <https://product.tdk.com/en/environment/rohs/index.html>
- Halogen-free: indicates that Cl content is less than 900ppm, Br content is less than 900ppm, and that the total Cl and Br content is less than 1500ppm.

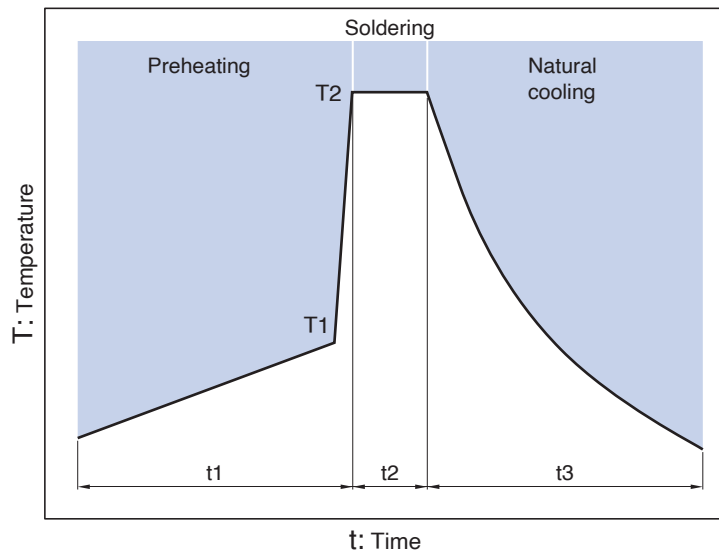
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# Overview of the FA series

## PACKAGE QUANTITY

Type	Package quantity	
	Taping (pieces / box)	Bulk (pieces / bag)
FA28	2000	500
FA24	2000	500
FA26	2000	500
FA20	1500	500
FA22	1000	500
FA23	1000	200
FA18	2000	500
FA14	2000	500
FA16	2000	500
FA11	1500	500

## RECOMMENDED FLOW PROFILE



Preheating		Peak		Natural cooling
Temp.	Time	Temp.	Time	Time
T1	t1	T2	t2	t3
110°C min.	Over 60s.	260°C	Within 5s.	Over 60s.

# MLCC with dipped radial lead




## Halogen-free, automotive grade


Product compatible with RoHS directive  
Halogen-free

### Capacitance range chart

### FA28 type

Capacitance		COG			X7R			X7S	
(pF)	Code	2E (250V)	2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)	
1	010								
1.5	1R5								
2.2	2R2								
3.3	3R3								
4.7	4R7								
6.8	6R8								
10	100								
15	150								
22	220								
33	330								
47	470								
68	680								
100	101								
120	121								
150	151								
180	181								
220	221								
270	271								
330	331								
390	391								
470	471								
560	561								
680	681								
820	821								
1,000	102								
1,200	122								
1,500	152								
1,800	182								
2,200	222								
2,700	272								
3,300	332								
3,900	392								
4,700	472								
5,600	562								
6,800	682								
8,200	822								
10,000	103								
15,000	153								
22,000	223								
33,000	333								
47,000	473								
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								

-  Background gray: These products are not recommended for new designs.
-  Click the charts for details.
-  For details such as the catalog numbers, please refer to the capacitance range table on page 14 and after.

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# MLCC with dipped radial lead

## Halogen-free, automotive grade

Product compatible with RoHS directive  
Halogen-free

### Capacitance range chart

### FA24 type

Capacitance		COG				X7R				X7S	X7T
(pF)	Code	2W (450V)	2E (250V)	2A (100V)	1H (50V)	2E (250V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)	2E (250V)
100	101	█									
120	121	█									
150	151	█									
180	181	█									
220	221	█									
270	271	█									
330	331	█									
390	391	█									
470	471	█									
560	561	█									
680	681	█									
820	821	█									
1,000	102	█				█					
1,200	122	█				█					
1,500	152	█				█					
1,800	182	█				█					
2,200	222	█				█					
2,700	272	█	█			█					
3,300	332	█	█			█					
3,900	392	█	█	█		█					
4,700	472	█	█	█		█					
5,600	562	█	█	█		█					
6,800	682	█	█	█		█					
8,200	822	█	█	█		█					
10,000	103	█	█		█	█					
15,000	153	█	█	█	█	█					
22,000	223	█	█	█	█	█					
33,000	333	█	█	█	█	█	█			█	
47,000	473	█	█	█	█	█	█			█	
68,000	683	█	█	█	█	█	█			█	
100,000	104	█	█	█	█	█	█			█	
150,000	154	█	█	█	█	█	█	█		█	
220,000	224	█	█	█	█	█	█	█		█	
330,000	334	█	█	█	█	█	█	█		█	
470,000	474	█	█	█	█	█	█	█	█		
680,000	684	█	█	█	█	█	█	█	█		
1,000,000	105	█	█	█	█	█	█	█	█		
1,500,000	155	█	█	█	█	█	█	█	█		
2,200,000	225	█	█	█	█	█	█	█	█		
3,300,000	335	█	█	█	█	█	█	█	█		
4,700,000	475	█	█	█	█	█	█	█	█		

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# MLCC with dipped radial lead

## Halogen-free, automotive grade

Product compatible with RoHS directive  
Halogen-free

**Capacitance range chart**

**FA26 type**

Capacitance		COG					X7R					X7S	X7T
(pF)	Code	2J (630V)	2W (450V)	2E (250V)	2A (100V)	1H (50V)	2J (630V)	2E (250V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)	2E (250V)
100	101	█											
120	121	█											
150	151	█											
180	181	█											
220	221	█											
270	271	█											
330	331	█											
390	391	█											
470	471	█											
560	561	█											
680	681	█											
820	821	█											
1,000	102	█					█						
1,200	122	█					█						
1,500	152	█					█						
1,800	182	█					█						
2,200	222	█					█						
2,700	272	█					█						
3,300	332	█					█						
3,900	392	█					█						
4,700	472	█					█						
5,600	562	█					█						
6,800	682	█	█				█						
8,200	822	█	█				█						
10,000	103	█					█						
15,000	153	█	█	█	█		█						
22,000	223						█						
33,000	333						█	█					
47,000	473						█						
68,000	683						█						
100,000	104												
150,000	154										█		█
220,000	224												█
330,000	334												
470,000	474												
680,000	684												
1,000,000	105												
1,500,000	155												
2,200,000	225												
3,300,000	335												
4,700,000	475												
6,800,000	685												
10,000,000	106												

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# MLCC with dipped radial lead

Product compatible with RoHS directive  
Halogen-free

Halogen-free, automotive grade

## Capacitance range chart

## FA20 type

Capacitance		COG				X7R					X7S		X7T
(pF)	Code	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)	1H (50V)	2E (250V)
15,000	153	█											
22,000	223		█										
33,000	333	█	█										
47,000	473			█		█							
68,000	683				█	█							
100,000	104												
150,000	154						█						
220,000	224							█					
330,000	334												█
470,000	474												
680,000	684												
1,000,000	105								█				
1,500,000	155							█	█				
2,200,000	225									█			
3,300,000	335										█		
4,700,000	475											█	
6,800,000	685												█
10,000,000	106												█

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# MLCC with dipped radial lead

## Halogen-free, automotive grade

Product compatible with RoHS directive  
Halogen-free

### Capacitance range chart

### FA22 type

Capacitance		COG					X7R					X7T	
(pF)	Code	2J (630V)	2W (450V)	2E (250V)	2A (100V)	1H (50V)	2J (630V)	2E (250V)	2A (100V)	1H (50V)	1E (25V)	2E (250V)	
47,000	473												
68,000	683												
100,000	104												
150,000	154												
220,000	224												
330,000	334												
470,000	474												
680,000	684												
1,000,000	105												
1,500,000	155												
2,200,000	225												
3,300,000	335												
4,700,000	475												
6,800,000	685												
10,000,000	106												
15,000,000	156												
22,000,000	226												

Background gray: These products are not recommended for new designs.

Click the charts for details.

For details such as the catalog numbers, please refer to the capacitance range table on page 14 and after.

### Capacitance range chart

### FA23 type

Capacitance		COG				X7R					X7S	X7T
(pF)	Code	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)	2E (250V)
68,000	683											
100,000	104											
150,000	154											
220,000	224											
330,000	334											
470,000	474											
680,000	684											
1,000,000	105											
1,500,000	155											
2,200,000	225											
3,300,000	335											
4,700,000	475											
6,800,000	685											
10,000,000	106											
15,000,000	156											
22,000,000	226											

Click the charts for details.

For details such as the catalog numbers, please refer to the capacitance range table on page 14 and after.

# MLCC with dipped radial lead

Product compatible with RoHS directive  
Halogen-free

## Halogen-free, automotive grade

### Capacitance range chart

### FA18 type

Capacitance		COG		X7R			X7S
(pF)	Code	2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)
1	010	█	█				
1.5	1R5	█	█				
2.2	2R2	█	█				
3.3	3R3	█	█				
4.7	4R7	█	█				
6.8	6R8	█	█				
10	100	█	█				
15	150	█	█				
22	220	█	█				
33	330	█	█				
47	470	█	█				
68	680	█	█				
100	101	█	█				
120	121	█	█				
150	151	█	█				
180	181	█	█				
220	221	█	█				
270	271	█	█				
330	331	█	█				
390	391	█	█				
470	471	█	█				
560	561	█	█				
680	681	█	█				
820	821	█	█				
1,000	102	█	█	█	█		
1,200	122	█	█	█	█		
1,500	152	█	█	█	█		
1,800	182	█	█	█	█		
2,200	222	█	█	█	█		
2,700	272	█	█	█	█		
3,300	332	█	█	█	█		
3,900	392	█	█	█	█		
4,700	472	█	█	█	█		
5,600	562	█	█	█	█		
6,800	682	█	█	█	█		
8,200	822	█	█	█	█		
10,000	103	█	█	█	█		
15,000	153	█	█	█	█		
22,000	223			█	█		
33,000	333						█
47,000	473						█
68,000	683						█
100,000	104				█		█
150,000	154					█	
220,000	224				█		
330,000	334						
470,000	474				█		
680,000	684					█	
1,000,000	105					█	

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# MLCC with dipped radial lead


## Halogen-free, automotive grade


Product compatible with RoHS directive  
Halogen-free


### Capacitance range chart

### FA14 type

Capacitance		COG		X7R			X7S
(pF)	Code	2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)
3,900	392						
4,700	472						
5,600	562						
6,800	682						
8,200	822						
10,000	103						
15,000	153						
22,000	223						
33,000	333						
47,000	473						
68,000	683						
100,000	104						
150,000	154						
220,000	224						
330,000	334						
470,000	474						
680,000	684						
1,000,000	105						
1,500,000	155						
2,200,000	225						
3,300,000	335						
4,700,000	475						

 Background gray: These products are not recommended for new designs.


 Click the charts for details.


 For details such as the catalog numbers, please refer to the capacitance range table on page 14 and after.


### Capacitance range chart

### FA16 type

Capacitance		COG		X7R			X7S
(pF)	Code	2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)
15,000	153						
22,000	223						
33,000	333						
47,000	473						
68,000	683						
100,000	104						
150,000	154						
220,000	224						
330,000	334						
470,000	474						
680,000	684						
1,000,000	105						
1,500,000	155						
2,200,000	225						
3,300,000	335						
4,700,000	475						
6,800,000	685						
10,000,000	106						

 Click the charts for details.

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# MLCC with dipped radial lead

## Halogen-free, automotive grade

Product compatible with RoHS directive  
Halogen-free

### Capacitance range chart

### FA11 type

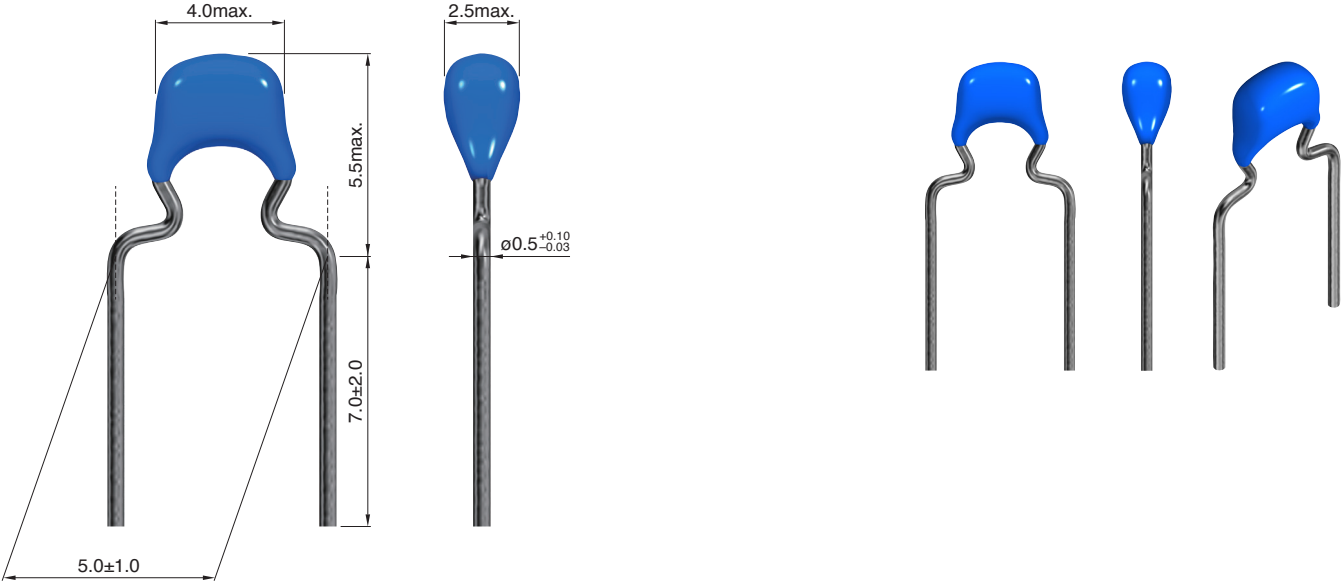
Capacitance		COG	X7R				X7S	
(pF)	Code	2A (100V)	2A (100V)	1H (50V)	1E (25V)	2A (100V)	1H (50V)	
47,000	473	■						
68,000	683							
100,000	104							
150,000	154							
220,000	224							
330,000	334							
470,000	474							
680,000	684							
1,000,000	105			■				
1,500,000	155		■	■				
2,200,000	225		■					
3,300,000	335				■	■		
4,700,000	475						■	
6,800,000	685						■	
10,000,000	106						■	

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- For details such as the catalog numbers, please refer to the capacitance range table on page 14 and after.


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# FA28 type

## SHAPE & DIMENSIONS



Dimensions in mm

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# FA28 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	1.0pF	±0.25pF	50	<a href="#">FA28C0G1H010CNU00</a>	<a href="#">FA28C0G1H010CNU06</a>
C0G	1.5pF	±0.25pF	50	<a href="#">FA28C0G1H1R5CNU00</a>	<a href="#">FA28C0G1H1R5CNU06</a>
C0G	2.2pF	±0.25pF	50	<a href="#">FA28C0G1H2R2CNU00</a>	<a href="#">FA28C0G1H2R2CNU06</a>
C0G	3.3pF	±0.25pF	50	<a href="#">FA28C0G1H3R3CNU00</a>	<a href="#">FA28C0G1H3R3CNU06</a>
C0G	4.7pF	±0.25pF	50	<a href="#">FA28C0G1H4R7CNU00</a>	<a href="#">FA28C0G1H4R7CNU06</a>
C0G	6.8pF	±0.5pF	50	<a href="#">FA28C0G1H6R8DNU00</a>	<a href="#">FA28C0G1H6R8DNU06</a>
C0G	10pF	±0.5pF	50	<a href="#">FA28C0G1H100DNU00</a>	<a href="#">FA28C0G1H100DNU06</a>
C0G	15pF	±5%	50	<a href="#">FA28C0G1H150JNU00</a>	<a href="#">FA28C0G1H150JNU06</a>
C0G	22pF	±5%	50	<a href="#">FA28C0G1H220JNU00</a>	<a href="#">FA28C0G1H220JNU06</a>
C0G	33pF	±5%	50	<a href="#">FA28C0G1H330JNU00</a>	<a href="#">FA28C0G1H330JNU06</a>
C0G	47pF	±5%	50	<a href="#">FA28C0G1H470JNU00</a>	<a href="#">FA28C0G1H470JNU06</a>
C0G	68pF	±5%	50	<a href="#">FA28C0G1H680JNU00</a>	<a href="#">FA28C0G1H680JNU06</a>
C0G	100pF	±5%	50	<a href="#">FA28C0G1H101JNU00</a>	<a href="#">FA28C0G1H101JNU06</a>
C0G	120pF	±5%	50	<a href="#">FA28C0G1H121JNU00</a>	<a href="#">FA28C0G1H121JNU06</a>
C0G	150pF	±5%	50	<a href="#">FA28C0G1H151JNU00</a>	<a href="#">FA28C0G1H151JNU06</a>
C0G	180pF	±5%	50	<a href="#">FA28C0G1H181JNU00</a>	<a href="#">FA28C0G1H181JNU06</a>
C0G	220pF	±5%	50	<a href="#">FA28C0G1H221JNU00</a>	<a href="#">FA28C0G1H221JNU06</a>
C0G	270pF	±5%	50	<a href="#">FA28C0G1H271JNU00</a>	<a href="#">FA28C0G1H271JNU06</a>
C0G	330pF	±5%	50	<a href="#">FA28C0G1H331JNU00</a>	<a href="#">FA28C0G1H331JNU06</a>
C0G	390pF	±5%	50	<a href="#">FA28C0G1H391JNU00</a>	<a href="#">FA28C0G1H391JNU06</a>
C0G	470pF	±5%	50	<a href="#">FA28C0G1H471JNU00</a>	<a href="#">FA28C0G1H471JNU06</a>
C0G	560pF	±5%	50	<a href="#">FA28C0G1H561JNU00</a>	<a href="#">FA28C0G1H561JNU06</a>
C0G	680pF	±5%	50	<a href="#">FA28C0G1H681JNU00</a>	<a href="#">FA28C0G1H681JNU06</a>
C0G	820pF	±5%	50	<a href="#">FA28C0G1H821JNU00</a>	<a href="#">FA28C0G1H821JNU06</a>
C0G	1nF	±5%	50	<a href="#">FA28C0G1H102JNU00</a>	<a href="#">FA28C0G1H102JNU06</a>
C0G	1.2nF	±5%	50	<a href="#">FA28C0G1H122JNU00</a>	<a href="#">FA28C0G1H122JNU06</a>
C0G	1.5nF	±5%	50	<a href="#">FA28C0G1H152JNU00</a>	<a href="#">FA28C0G1H152JNU06</a>
C0G	1.8nF	±5%	50	<a href="#">FA28C0G1H182JNU00</a>	<a href="#">FA28C0G1H182JNU06</a>
C0G	2.2nF	±5%	50	<a href="#">FA28C0G1H222JNU00</a>	<a href="#">FA28C0G1H222JNU06</a>
C0G	2.7nF	±5%	50	<a href="#">FA28C0G1H272JNU00</a>	<a href="#">FA28C0G1H272JNU06</a>
C0G	3.3nF	±5%	50	<a href="#">FA28C0G1H332JNU00</a>	<a href="#">FA28C0G1H332JNU06</a>
C0G	3.9nF	±5%	50	<a href="#">FA28C0G1H392JNU00</a>	<a href="#">FA28C0G1H392JNU06</a>
C0G	4.7nF	±5%	50	<a href="#">FA28C0G1H472JNU00</a>	<a href="#">FA28C0G1H472JNU06</a>
C0G	5.6nF	±5%	50	<a href="#">FA28C0G1H562JNU00</a>	<a href="#">FA28C0G1H562JNU06</a>
C0G	6.8nF	±5%	50	<a href="#">FA28C0G1H682JNU00</a>	<a href="#">FA28C0G1H682JNU06</a>
C0G	8.2nF	±5%	50	<a href="#">FA28C0G1H822JNU00</a>	<a href="#">FA28C0G1H822JNU06</a>
C0G	10nF	±5%	50	<a href="#">FA28C0G1H103JNU00</a>	<a href="#">FA28C0G1H103JNU06</a>
C0G	1.0pF	±0.25pF	100	<a href="#">FA28C0G2A010CNU00</a>	<a href="#">FA28C0G2A010CNU06</a>
C0G	1.5pF	±0.25pF	100	<a href="#">FA28C0G2A1R5CNU00</a>	<a href="#">FA28C0G2A1R5CNU06</a>
C0G	2.2pF	±0.25pF	100	<a href="#">FA28C0G2A2R2CNU00</a>	<a href="#">FA28C0G2A2R2CNU06</a>
C0G	3.3pF	±0.25pF	100	<a href="#">FA28C0G2A3R3CNU00</a>	<a href="#">FA28C0G2A3R3CNU06</a>
C0G	4.7pF	±0.25pF	100	<a href="#">FA28C0G2A4R7CNU00</a>	<a href="#">FA28C0G2A4R7CNU06</a>
C0G	6.8pF	±0.5pF	100	<a href="#">FA28C0G2A6R8DNU00</a>	<a href="#">FA28C0G2A6R8DNU06</a>
C0G	10pF	±0.5pF	100	<a href="#">FA28C0G2A100DNU00</a>	<a href="#">FA28C0G2A100DNU06</a>
C0G	15pF	±5%	100	<a href="#">FA28C0G2A150JNU00</a>	<a href="#">FA28C0G2A150JNU06</a>
C0G	22pF	±5%	100	<a href="#">FA28C0G2A220JNU00</a>	<a href="#">FA28C0G2A220JNU06</a>
C0G	33pF	±5%	100	<a href="#">FA28C0G2A330JNU00</a>	<a href="#">FA28C0G2A330JNU06</a>
C0G	47pF	±5%	100	<a href="#">FA28C0G2A470JNU00</a>	<a href="#">FA28C0G2A470JNU06</a>
C0G	68pF	±5%	100	<a href="#">FA28C0G2A680JNU00</a>	<a href="#">FA28C0G2A680JNU06</a>
C0G	100pF	±5%	100	<a href="#">FA28C0G2A101JNU00</a>	<a href="#">FA28C0G2A101JNU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# CAPACITORS

## FA28 type

### ELECTRICAL CHARACTERISTICS

#### CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	120pF	±5%	100	<a href="#">FA28C0G2A121JNU00</a>	<a href="#">FA28C0G2A121JNU06</a>
C0G	150pF	±5%	100	<a href="#">FA28C0G2A151JNU00</a>	<a href="#">FA28C0G2A151JNU06</a>
C0G	180pF	±5%	100	<a href="#">FA28C0G2A181JNU00</a>	<a href="#">FA28C0G2A181JNU06</a>
C0G	220pF	±5%	100	<a href="#">FA28C0G2A221JNU00</a>	<a href="#">FA28C0G2A221JNU06</a>
C0G	270pF	±5%	100	<a href="#">FA28C0G2A271JNU00</a>	<a href="#">FA28C0G2A271JNU06</a>
C0G	330pF	±5%	100	<a href="#">FA28C0G2A331JNU00</a>	<a href="#">FA28C0G2A331JNU06</a>
C0G	390pF	±5%	100	<a href="#">FA28C0G2A391JNU00</a>	<a href="#">FA28C0G2A391JNU06</a>
C0G	470pF	±5%	100	<a href="#">FA28C0G2A471JNU00</a>	<a href="#">FA28C0G2A471JNU06</a>
C0G	560pF	±5%	100	<a href="#">FA28C0G2A561JNU00</a>	<a href="#">FA28C0G2A561JNU06</a>
C0G	680pF	±5%	100	<a href="#">FA28C0G2A681JNU00</a>	<a href="#">FA28C0G2A681JNU06</a>
C0G	820pF	±5%	100	<a href="#">FA28C0G2A821JNU00</a>	<a href="#">FA28C0G2A821JNU06</a>
C0G	1nF	±5%	100	<a href="#">FA28C0G2A102JNU00</a>	<a href="#">FA28C0G2A102JNU06</a>
C0G	1.2nF	±5%	100	<a href="#">FA28C0G2A122JNU00</a>	<a href="#">FA28C0G2A122JNU06</a>
C0G	1.5nF	±5%	100	<a href="#">FA28C0G2A152JNU00</a>	<a href="#">FA28C0G2A152JNU06</a>
C0G	1.8nF	±5%	100	<a href="#">FA28C0G2A182JNU00</a>	<a href="#">FA28C0G2A182JNU06</a>
C0G	2.2nF	±5%	100	<a href="#">FA28C0G2A222JNU00</a>	<a href="#">FA28C0G2A222JNU06</a>
C0G	2.7nF	±5%	100	<a href="#">FA28C0G2A272JNU00</a>	<a href="#">FA28C0G2A272JNU06</a>
C0G	3.3nF	±5%	100	<a href="#">FA28C0G2A332JNU00</a>	<a href="#">FA28C0G2A332JNU06</a>
C0G	3.9nF	±5%	100	<a href="#">FA28C0G2A392JRU00</a>	<a href="#">FA28C0G2A392JRU06</a>
C0G	4.7nF	±5%	100	<a href="#">FA28C0G2A472JRU00</a>	<a href="#">FA28C0G2A472JRU06</a>
C0G	5.6nF	±5%	100	<a href="#">FA28C0G2A562JRU00</a>	<a href="#">FA28C0G2A562JRU06</a>
C0G	6.8nF	±5%	100	<a href="#">FA28C0G2A682JRU00</a>	<a href="#">FA28C0G2A682JRU06</a>
C0G	8.2nF	±5%	100	<a href="#">FA28C0G2A822JRU00</a>	<a href="#">FA28C0G2A822JRU06</a>
C0G	10nF	±5%	100	<a href="#">FA28C0G2A103JRU00</a>	<a href="#">FA28C0G2A103JRU06</a>
C0G	100pF	±5%	250	<a href="#">FA28C0G2E101JNU00</a>	<a href="#">FA28C0G2E101JNU06</a>
C0G	120pF	±5%	250	<a href="#">FA28C0G2E121JNU00</a>	<a href="#">FA28C0G2E121JNU06</a>
C0G	150pF	±5%	250	<a href="#">FA28C0G2E151JNU00</a>	<a href="#">FA28C0G2E151JNU06</a>
C0G	180pF	±5%	250	<a href="#">FA28C0G2E181JNU00</a>	<a href="#">FA28C0G2E181JNU06</a>
C0G	220pF	±5%	250	<a href="#">FA28C0G2E221JNU00</a>	<a href="#">FA28C0G2E221JNU06</a>
C0G	270pF	±5%	250	<a href="#">FA28C0G2E271JNU00</a>	<a href="#">FA28C0G2E271JNU06</a>
C0G	330pF	±5%	250	<a href="#">FA28C0G2E331JNU00</a>	<a href="#">FA28C0G2E331JNU06</a>
C0G	390pF	±5%	250	<a href="#">FA28C0G2E391JNU00</a>	<a href="#">FA28C0G2E391JNU06</a>
C0G	470pF	±5%	250	<a href="#">FA28C0G2E471JNU00</a>	<a href="#">FA28C0G2E471JNU06</a>
C0G	560pF	±5%	250	<a href="#">FA28C0G2E561JNU00</a>	<a href="#">FA28C0G2E561JNU06</a>
C0G	680pF	±5%	250	<a href="#">FA28C0G2E681JNU00</a>	<a href="#">FA28C0G2E681JNU06</a>
C0G	820pF	±5%	250	<a href="#">FA28C0G2E821JNU00</a>	<a href="#">FA28C0G2E821JNU06</a>
C0G	1nF	±5%	250	<a href="#">FA28C0G2E102JNU00</a>	<a href="#">FA28C0G2E102JNU06</a>
C0G	1.2nF	±5%	250	<a href="#">FA28C0G2E122JNU00</a>	<a href="#">FA28C0G2E122JNU06</a>
C0G	1.5nF	±5%	250	<a href="#">FA28C0G2E152JNU00</a>	<a href="#">FA28C0G2E152JNU06</a>
C0G	1.8nF	±5%	250	<a href="#">FA28C0G2E182JNU00</a>	<a href="#">FA28C0G2E182JNU06</a>
C0G	2.2nF	±5%	250	<a href="#">FA28C0G2E222JNU00</a>	<a href="#">FA28C0G2E222JNU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# FA28 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	150nF	±10%	25	<a href="#">FA28X7R1E154KNU00</a>	<a href="#">FA28X7R1E154KNU06</a>
X7R	680nF	±10%	25	<a href="#">FA28X7R1E684KRU00</a>	<a href="#">FA28X7R1E684KRU06</a>
X7R	1uF	±10%	25	<a href="#">FA28X7R1E105KRU00</a>	<a href="#">FA28X7R1E105KRU06</a>
X7R	1nF	±10%	50	<a href="#">FA28X7R1H102KNU00</a>	<a href="#">FA28X7R1H102KNU06</a>
X7R	1.5nF	±10%	50	<a href="#">FA28X7R1H152KNU00</a>	<a href="#">FA28X7R1H152KNU06</a>
X7R	2.2nF	±10%	50	<a href="#">FA28X7R1H222KNU00</a>	<a href="#">FA28X7R1H222KNU06</a>
X7R	3.3nF	±10%	50	<a href="#">FA28X7R1H332KNU00</a>	<a href="#">FA28X7R1H332KNU06</a>
X7R	4.7nF	±10%	50	<a href="#">FA28X7R1H472KNU00</a>	<a href="#">FA28X7R1H472KNU06</a>
X7R	6.8nF	±10%	50	<a href="#">FA28X7R1H682KNU00</a>	<a href="#">FA28X7R1H682KNU06</a>
X7R	10nF	±10%	50	<a href="#">FA28X7R1H103KNU00</a>	<a href="#">FA28X7R1H103KNU06</a>
X7R	15nF	±10%	50	<a href="#">FA28X7R1H153KNU00</a>	<a href="#">FA28X7R1H153KNU06</a>
X7R	22nF	±10%	50	<a href="#">FA28X7R1H223KNU00</a>	<a href="#">FA28X7R1H223KNU06</a>
X7R	33nF	±10%	50	<a href="#">FA28X7R1H333KNU00</a>	<a href="#">FA28X7R1H333KNU06</a>
X7R	47nF	±10%	50	<a href="#">FA28X7R1H473KNU00</a>	<a href="#">FA28X7R1H473KNU06</a>
X7R	68nF	±10%	50	<a href="#">FA28X7R1H683KNU00</a>	<a href="#">FA28X7R1H683KNU06</a>
X7R	100nF	±10%	50	<a href="#">FA28X7R1H104KNU00</a>	<a href="#">FA28X7R1H104KNU06</a>
X7R	150nF	±10%	50	<a href="#">FA28X7R1H154KRU00</a>	<a href="#">FA28X7R1H154KRU06</a>
X7R	220nF	±10%	50	<a href="#">FA28X7R1H224KRU00</a>	<a href="#">FA28X7R1H224KRU06</a>
X7R	330nF	±10%	50	<a href="#">FA28X7R1H334KRU00</a>	<a href="#">FA28X7R1H334KRU06</a>
X7R	470nF	±10%	50	<a href="#">FA28X7R1H474KRU00</a>	<a href="#">FA28X7R1H474KRU06</a>
X7R	1nF	±10%	100	<a href="#">FA28X7R2A102KNU00</a>	<a href="#">FA28X7R2A102KNU06</a>
X7R	1.5nF	±10%	100	<a href="#">FA28X7R2A152KNU00</a>	<a href="#">FA28X7R2A152KNU06</a>
X7R	2.2nF	±10%	100	<a href="#">FA28X7R2A222KNU00</a>	<a href="#">FA28X7R2A222KNU06</a>
X7R	3.3nF	±10%	100	<a href="#">FA28X7R2A332KNU00</a>	<a href="#">FA28X7R2A332KNU06</a>
X7R	4.7nF	±10%	100	<a href="#">FA28X7R2A472KNU00</a>	<a href="#">FA28X7R2A472KNU06</a>
X7R	6.8nF	±10%	100	<a href="#">FA28X7R2A682KNU00</a>	<a href="#">FA28X7R2A682KNU06</a>
X7R	10nF	±10%	100	<a href="#">FA28X7R2A103KNU00</a>	<a href="#">FA28X7R2A103KNU06</a>
X7R	15nF	±10%	100	<a href="#">FA28X7R2A153KNU00</a>	<a href="#">FA28X7R2A153KNU06</a>
X7R	22nF	±10%	100	<a href="#">FA28X7R2A223KNU00</a>	<a href="#">FA28X7R2A223KNU06</a>
X7S	33nF	±10%	100	<a href="#">FA28X7S2A333KRU00</a>	<a href="#">FA28X7S2A333KRU06</a>
X7S	47nF	±10%	100	<a href="#">FA28X7S2A473KRU00</a>	<a href="#">FA28X7S2A473KRU06</a>
X7S	68nF	±10%	100	<a href="#">FA28X7S2A683KRU00</a>	<a href="#">FA28X7S2A683KRU06</a>
X7S	100nF	±10%	100	<a href="#">FA28X7S2A104KRU00</a>	<a href="#">FA28X7S2A104KRU06</a>

■ Gray items: These products are not recommended for new designs.

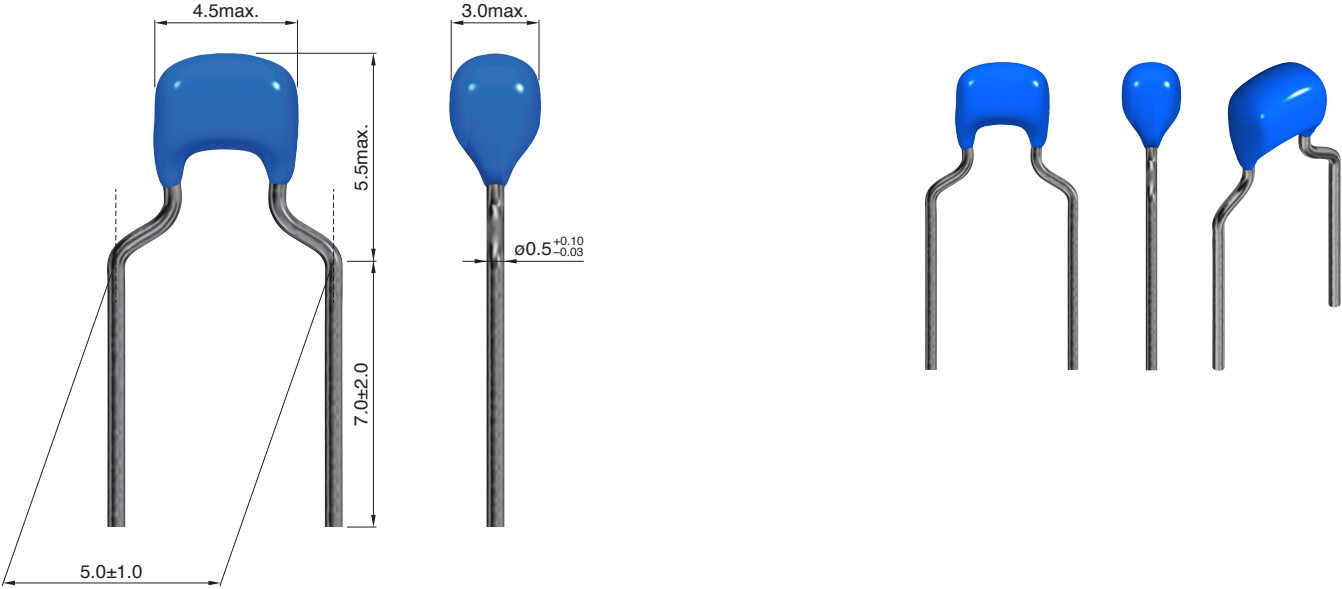
Click the part numbers for details.


\* The part numbers are TDK's standard specification products.



# FA24 type

## SHAPE & DIMENSIONS



 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# CAPACITORS

## FA24 type

### ELECTRICAL CHARACTERISTICS

#### CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	15nF	±5%	50	<a href="#">FA24C0G1H153JNU00</a>	<a href="#">FA24C0G1H153JNU06</a>
C0G	22nF	±5%	50	<a href="#">FA24C0G1H223JNU00</a>	<a href="#">FA24C0G1H223JNU06</a>
C0G	33nF	±5%	50	<a href="#">FA24C0G1H333JNU00</a>	<a href="#">FA24C0G1H333JNU06</a>
C0G	3.9nF	±5%	100	<a href="#">FA24C0G2A392JNU00</a>	<a href="#">FA24C0G2A392JNU06</a>
C0G	4.7nF	±5%	100	<a href="#">FA24C0G2A472JNU00</a>	<a href="#">FA24C0G2A472JNU06</a>
C0G	5.6nF	±5%	100	<a href="#">FA24C0G2A562JNU00</a>	<a href="#">FA24C0G2A562JNU06</a>
C0G	6.8nF	±5%	100	<a href="#">FA24C0G2A682JNU00</a>	<a href="#">FA24C0G2A682JNU06</a>
C0G	8.2nF	±5%	100	<a href="#">FA24C0G2A822JNU00</a>	<a href="#">FA24C0G2A822JNU06</a>
C0G	10nF	±5%	100	<a href="#">FA24C0G2A103JNU00</a>	<a href="#">FA24C0G2A103JNU06</a>
C0G	15nF	±5%	100	<a href="#">FA24C0G2A153JRU00</a>	<a href="#">FA24C0G2A153JRU06</a>
C0G	22nF	±5%	100	<a href="#">FA24C0G2A223JRU00</a>	<a href="#">FA24C0G2A223JRU06</a>
C0G	33nF	±5%	100	<a href="#">FA24C0G2A333JRU00</a>	<a href="#">FA24C0G2A333JRU06</a>
C0G	2.7nF	±5%	250	<a href="#">FA24C0G2E272JNU00</a>	<a href="#">FA24C0G2E272JNU06</a>
C0G	3.3nF	±5%	250	<a href="#">FA24C0G2E332JNU00</a>	<a href="#">FA24C0G2E332JNU06</a>
C0G	3.9nF	±5%	250	<a href="#">FA24C0G2E392JNU00</a>	<a href="#">FA24C0G2E392JNU06</a>
C0G	4.7nF	±5%	250	<a href="#">FA24C0G2E472JNU00</a>	<a href="#">FA24C0G2E472JNU06</a>
C0G	5.6nF	±5%	250	<a href="#">FA24C0G2E562JNU00</a>	<a href="#">FA24C0G2E562JNU06</a>
C0G	6.8nF	±5%	250	<a href="#">FA24C0G2E682JNU00</a>	<a href="#">FA24C0G2E682JNU06</a>
C0G	8.2nF	±5%	250	<a href="#">FA24C0G2E822JNU00</a>	<a href="#">FA24C0G2E822JNU06</a>
C0G	10nF	±5%	250	<a href="#">FA24C0G2E103JNU00</a>	<a href="#">FA24C0G2E103JNU06</a>
C0G	100pF	±5%	450	<a href="#">FA24C0G2W101JNU00</a>	<a href="#">FA24C0G2W101JNU06</a>
C0G	120pF	±5%	450	<a href="#">FA24C0G2W121JNU00</a>	<a href="#">FA24C0G2W121JNU06</a>
C0G	150pF	±5%	450	<a href="#">FA24C0G2W151JNU00</a>	<a href="#">FA24C0G2W151JNU06</a>
C0G	180pF	±5%	450	<a href="#">FA24C0G2W181JNU00</a>	<a href="#">FA24C0G2W181JNU06</a>
C0G	220pF	±5%	450	<a href="#">FA24C0G2W221JNU00</a>	<a href="#">FA24C0G2W221JNU06</a>
C0G	270pF	±5%	450	<a href="#">FA24C0G2W271JNU00</a>	<a href="#">FA24C0G2W271JNU06</a>
C0G	330pF	±5%	450	<a href="#">FA24C0G2W331JNU00</a>	<a href="#">FA24C0G2W331JNU06</a>
C0G	390pF	±5%	450	<a href="#">FA24C0G2W391JNU00</a>	<a href="#">FA24C0G2W391JNU06</a>
C0G	470pF	±5%	450	<a href="#">FA24C0G2W471JNU00</a>	<a href="#">FA24C0G2W471JNU06</a>
C0G	560pF	±5%	450	<a href="#">FA24C0G2W561JNU00</a>	<a href="#">FA24C0G2W561JNU06</a>
C0G	680pF	±5%	450	<a href="#">FA24C0G2W681JNU00</a>	<a href="#">FA24C0G2W681JNU06</a>
C0G	820pF	±5%	450	<a href="#">FA24C0G2W821JNU00</a>	<a href="#">FA24C0G2W821JNU06</a>
C0G	1nF	±5%	450	<a href="#">FA24C0G2W102JNU00</a>	<a href="#">FA24C0G2W102JNU06</a>
C0G	1.2nF	±5%	450	<a href="#">FA24C0G2W122JNU00</a>	<a href="#">FA24C0G2W122JNU06</a>
C0G	1.5nF	±5%	450	<a href="#">FA24C0G2W152JNU00</a>	<a href="#">FA24C0G2W152JNU06</a>
C0G	1.8nF	±5%	450	<a href="#">FA24C0G2W182JNU00</a>	<a href="#">FA24C0G2W182JNU06</a>
C0G	2.2nF	±5%	450	<a href="#">FA24C0G2W222JNU00</a>	<a href="#">FA24C0G2W222JNU06</a>
C0G	2.7nF	±5%	450	<a href="#">FA24C0G2W272JNU00</a>	<a href="#">FA24C0G2W272JNU06</a>
C0G	3.3nF	±5%	450	<a href="#">FA24C0G2W332JNU00</a>	<a href="#">FA24C0G2W332JNU06</a>
C0G	3.9nF	±5%	450	<a href="#">FA24C0G2W392JNU00</a>	<a href="#">FA24C0G2W392JNU06</a>
C0G	4.7nF	±5%	450	<a href="#">FA24C0G2W472JNU00</a>	<a href="#">FA24C0G2W472JNU06</a>
C0G	5.6nF	±5%	450	<a href="#">FA24C0G2W562JNU00</a>	<a href="#">FA24C0G2W562JNU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# FA24 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	470nF	±10%	25	<a href="#">FA24X7R1E474KNU00</a>	<a href="#">FA24X7R1E474KNU06</a>
X7R	3.3uF	±10%	25	<a href="#">FA24X7R1E335KRU00</a>	<a href="#">FA24X7R1E335KRU06</a>
X7R	4.7uF	±10%	25	<a href="#">FA24X7R1E475KRU00</a>	<a href="#">FA24X7R1E475KRU06</a>
X7R	150nF	±10%	50	<a href="#">FA24X7R1H154KNU00</a>	<a href="#">FA24X7R1H154KNU06</a>
X7R	220nF	±10%	50	<a href="#">FA24X7R1H224KNU00</a>	<a href="#">FA24X7R1H224KNU06</a>
X7R	330nF	±10%	50	<a href="#">FA24X7R1H334KNU00</a>	<a href="#">FA24X7R1H334KNU06</a>
X7R	680nF	±10%	50	<a href="#">FA24X7R1H684KRU00</a>	<a href="#">FA24X7R1H684KRU06</a>
X7R	1uF	±10%	50	<a href="#">FA24X7R1H105KRU00</a>	<a href="#">FA24X7R1H105KRU06</a>
X7R	1.5uF	±10%	50	<a href="#">FA24X7R1H155KRU00</a>	<a href="#">FA24X7R1H155KRU06</a>
X7R	2.2uF	±10%	50	<a href="#">FA24X7R1H225KRU00</a>	<a href="#">FA24X7R1H225KRU06</a>
X7R	33nF	±10%	100	<a href="#">FA24X7R2A333KNU00</a>	<a href="#">FA24X7R2A333KNU06</a>
X7R	47nF	±10%	100	<a href="#">FA24X7R2A473KNU00</a>	<a href="#">FA24X7R2A473KNU06</a>
X7R	68nF	±10%	100	<a href="#">FA24X7R2A683KNU00</a>	<a href="#">FA24X7R2A683KNU06</a>
X7R	100nF	±10%	100	<a href="#">FA24X7R2A104KNU00</a>	<a href="#">FA24X7R2A104KNU06</a>
X7R	1nF	±10%	250	<a href="#">FA24X7R2E102KNU00</a>	<a href="#">FA24X7R2E102KNU06</a>
X7R	1.5nF	±10%	250	<a href="#">FA24X7R2E152KNU00</a>	<a href="#">FA24X7R2E152KNU06</a>
X7R	2.2nF	±10%	250	<a href="#">FA24X7R2E222KNU00</a>	<a href="#">FA24X7R2E222KNU06</a>
X7R	3.3nF	±10%	250	<a href="#">FA24X7R2E332KNU00</a>	<a href="#">FA24X7R2E332KNU06</a>
X7R	4.7nF	±10%	250	<a href="#">FA24X7R2E472KNU00</a>	<a href="#">FA24X7R2E472KNU06</a>
X7R	6.8nF	±10%	250	<a href="#">FA24X7R2E682KNU00</a>	<a href="#">FA24X7R2E682KNU06</a>
X7R	10nF	±10%	250	<a href="#">FA24X7R2E103KNU00</a>	<a href="#">FA24X7R2E103KNU06</a>
X7R	15nF	±10%	250	<a href="#">FA24X7R2E153KNU00</a>	<a href="#">FA24X7R2E153KNU06</a>
X7R	22nF	±10%	250	<a href="#">FA24X7R2E223KNU00</a>	<a href="#">FA24X7R2E223KNU06</a>
X7S	150nF	±10%	100	<a href="#">FA24X7S2A154KRU00</a>	<a href="#">FA24X7S2A154KRU06</a>
X7S	220nF	±10%	100	<a href="#">FA24X7S2A224KRU00</a>	<a href="#">FA24X7S2A224KRU06</a>
X7S	330nF	±10%	100	<a href="#">FA24X7S2A334KRU00</a>	<a href="#">FA24X7S2A334KRU06</a>
X7S	470nF	±10%	100	<a href="#">FA24X7S2A474KRU00</a>	<a href="#">FA24X7S2A474KRU06</a>
X7S	680nF	±10%	100	<a href="#">FA24X7S2A684KRU00</a>	<a href="#">FA24X7S2A684KRU06</a>
X7S	1uF	±10%	100	<a href="#">FA24X7S2A105KRU00</a>	<a href="#">FA24X7S2A105KRU06</a>
X7T	33nF	±10%	250	<a href="#">FA24X7T2E333KNU00</a>	<a href="#">FA24X7T2E333KNU06</a>
X7T	47nF	±10%	250	<a href="#">FA24X7T2E473KNU00</a>	<a href="#">FA24X7T2E473KNU06</a>
X7T	68nF	±10%	250	<a href="#">FA24X7T2E683KNU00</a>	<a href="#">FA24X7T2E683KNU06</a>
X7T	100nF	±10%	250	<a href="#">FA24X7T2E104KNU00</a>	<a href="#">FA24X7T2E104KNU06</a>

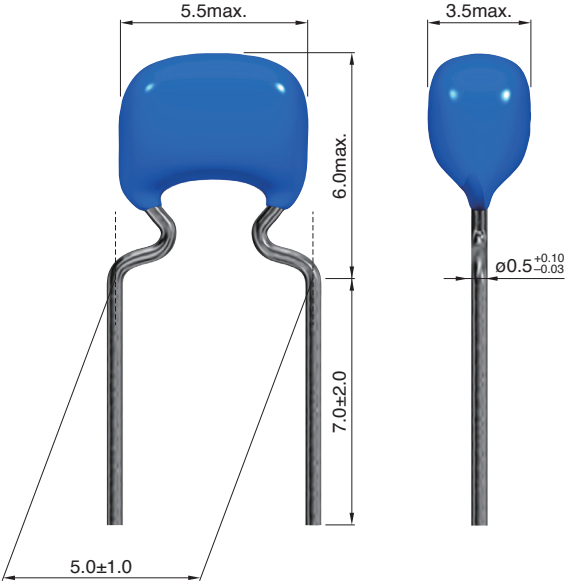
■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

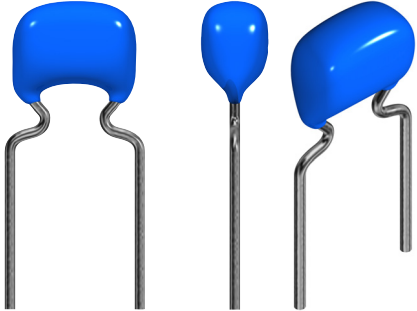
\* The part numbers are TDK's standard specification products.


# FA26 type

## ■ SHAPE & DIMENSIONS



Dimensions in mm



 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# FA26 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	47nF	±5%	50	<a href="#">FA26C0G1H473JNU00</a>	<a href="#">FA26C0G1H473JNU06</a>
C0G	68nF	±5%	50	<a href="#">FA26C0G1H683JNU00</a>	<a href="#">FA26C0G1H683JNU06</a>
C0G	100nF	±5%	50	<a href="#">FA26C0G1H104JNU00</a>	<a href="#">FA26C0G1H104JNU06</a>
C0G	15nF	±5%	100	<a href="#">FA26C0G2A153JNU00</a>	<a href="#">FA26C0G2A153JNU06</a>
C0G	22nF	±5%	100	<a href="#">FA26C0G2A223JNU00</a>	<a href="#">FA26C0G2A223JNU06</a>
C0G	33nF	±5%	100	<a href="#">FA26C0G2A333JNU00</a>	<a href="#">FA26C0G2A333JNU06</a>
C0G	47nF	±5%	100	<a href="#">FA26C0G2A473JRU00</a>	<a href="#">FA26C0G2A473JRU06</a>
C0G	68nF	±5%	100	<a href="#">FA26C0G2A683JRU00</a>	<a href="#">FA26C0G2A683JRU06</a>
C0G	100nF	±5%	100	<a href="#">FA26C0G2A104JRU00</a>	<a href="#">FA26C0G2A104JRU06</a>
C0G	15nF	±5%	250	<a href="#">FA26C0G2E153JNU00</a>	<a href="#">FA26C0G2E153JNU06</a>
C0G	22nF	±5%	250	<a href="#">FA26C0G2E223JNU00</a>	<a href="#">FA26C0G2E223JNU06</a>
C0G	6.8nF	±5%	450	<a href="#">FA26C0G2W682JNU00</a>	<a href="#">FA26C0G2W682JNU06</a>
C0G	8.2nF	±5%	450	<a href="#">FA26C0G2W822JNU00</a>	<a href="#">FA26C0G2W822JNU06</a>
C0G	10nF	±5%	450	<a href="#">FA26C0G2W103JNU00</a>	<a href="#">FA26C0G2W103JNU06</a>
C0G	15nF	±5%	450	<a href="#">FA26C0G2W153JNU00</a>	<a href="#">FA26C0G2W153JNU06</a>
C0G	100pF	±5%	630	<a href="#">FA26C0G2J101JNU00</a>	<a href="#">FA26C0G2J101JNU06</a>
C0G	120pF	±5%	630	<a href="#">FA26C0G2J121JNU00</a>	<a href="#">FA26C0G2J121JNU06</a>
C0G	150pF	±5%	630	<a href="#">FA26C0G2J151JNU00</a>	<a href="#">FA26C0G2J151JNU06</a>
C0G	180pF	±5%	630	<a href="#">FA26C0G2J181JNU00</a>	<a href="#">FA26C0G2J181JNU06</a>
C0G	220pF	±5%	630	<a href="#">FA26C0G2J221JNU00</a>	<a href="#">FA26C0G2J221JNU06</a>
C0G	270pF	±5%	630	<a href="#">FA26C0G2J271JNU00</a>	<a href="#">FA26C0G2J271JNU06</a>
C0G	330pF	±5%	630	<a href="#">FA26C0G2J331JNU00</a>	<a href="#">FA26C0G2J331JNU06</a>
C0G	390pF	±5%	630	<a href="#">FA26C0G2J391JNU00</a>	<a href="#">FA26C0G2J391JNU06</a>
C0G	470pF	±5%	630	<a href="#">FA26C0G2J471JNU00</a>	<a href="#">FA26C0G2J471JNU06</a>
C0G	560pF	±5%	630	<a href="#">FA26C0G2J561JNU00</a>	<a href="#">FA26C0G2J561JNU06</a>
C0G	680pF	±5%	630	<a href="#">FA26C0G2J681JNU00</a>	<a href="#">FA26C0G2J681JNU06</a>
C0G	820pF	±5%	630	<a href="#">FA26C0G2J821JNU00</a>	<a href="#">FA26C0G2J821JNU06</a>
C0G	1nF	±5%	630	<a href="#">FA26C0G2J102JNU00</a>	<a href="#">FA26C0G2J102JNU06</a>
C0G	1.2nF	±5%	630	<a href="#">FA26C0G2J122JNU00</a>	<a href="#">FA26C0G2J122JNU06</a>
C0G	1.5nF	±5%	630	<a href="#">FA26C0G2J152JNU00</a>	<a href="#">FA26C0G2J152JNU06</a>
C0G	1.8nF	±5%	630	<a href="#">FA26C0G2J182JNU00</a>	<a href="#">FA26C0G2J182JNU06</a>
C0G	2.2nF	±5%	630	<a href="#">FA26C0G2J222JNU00</a>	<a href="#">FA26C0G2J222JNU06</a>
C0G	2.7nF	±5%	630	<a href="#">FA26C0G2J272JNU00</a>	<a href="#">FA26C0G2J272JNU06</a>
C0G	3.3nF	±5%	630	<a href="#">FA26C0G2J332JNU00</a>	<a href="#">FA26C0G2J332JNU06</a>
C0G	3.9nF	±5%	630	<a href="#">FA26C0G2J392JNU00</a>	<a href="#">FA26C0G2J392JNU06</a>
C0G	4.7nF	±5%	630	<a href="#">FA26C0G2J472JNU00</a>	<a href="#">FA26C0G2J472JNU06</a>
C0G	5.6nF	±5%	630	<a href="#">FA26C0G2J562JNU00</a>	<a href="#">FA26C0G2J562JNU06</a>
C0G	6.8nF	±5%	630	<a href="#">FA26C0G2J682JNU00</a>	<a href="#">FA26C0G2J682JNU06</a>
C0G	8.2nF	±5%	630	<a href="#">FA26C0G2J822JNU00</a>	<a href="#">FA26C0G2J822JNU06</a>
C0G	10nF	±5%	630	<a href="#">FA26C0G2J103JNU00</a>	<a href="#">FA26C0G2J103JNU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# FA26 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	1uF	±10%	25	<a href="#">FA26X7R1E105KNU00</a>	<a href="#">FA26X7R1E105KNU06</a>
X7R	1.5uF	±10%	25	<a href="#">FA26X7R1E155KNU00</a>	<a href="#">FA26X7R1E155KNU06</a>
X7R	2.2uF	±10%	25	<a href="#">FA26X7R1E225KNU00</a>	<a href="#">FA26X7R1E225KNU06</a>
X7R	6.8uF	±10%	25	<a href="#">FA26X7R1E685KRU00</a>	<a href="#">FA26X7R1E685KRU06</a>
X7R	10uF	±10%	25	<a href="#">FA26X7R1E106KRU00</a>	<a href="#">FA26X7R1E106KRU06</a>
X7R	470nF	±10%	50	<a href="#">FA26X7R1H474KNU00</a>	<a href="#">FA26X7R1H474KNU06</a>
X7R	680nF	±10%	50	<a href="#">FA26X7R1H684KNU00</a>	<a href="#">FA26X7R1H684KNU06</a>
X7R	3.3uF	±10%	50	<a href="#">FA26X7R1H335KRU00</a>	<a href="#">FA26X7R1H335KRU06</a>
X7R	4.7uF	±10%	50	<a href="#">FA26X7R1H475KRU00</a>	<a href="#">FA26X7R1H475KRU06</a>
X7R	150nF	±10%	100	<a href="#">FA26X7R2A154KNU00</a>	<a href="#">FA26X7R2A154KNU06</a>
X7R	220nF	±10%	100	<a href="#">FA26X7R2A224KNU00</a>	<a href="#">FA26X7R2A224KNU06</a>
X7R	330nF	±10%	100	<a href="#">FA26X7R2A334KNU00</a>	<a href="#">FA26X7R2A334KNU06</a>
X7R	470nF	±10%	100	<a href="#">FA26X7R2A474KNU00</a>	<a href="#">FA26X7R2A474KNU06</a>
X7R	680nF	±10%	100	<a href="#">FA26X7R2A684KNU00</a>	<a href="#">FA26X7R2A684KNU06</a>
X7R	1uF	±10%	100	<a href="#">FA26X7R2A105KNU00</a>	<a href="#">FA26X7R2A105KNU06</a>
X7R	33nF	±10%	250	<a href="#">FA26X7R2E333KNU00</a>	<a href="#">FA26X7R2E333KNU06</a>
X7R	47nF	±10%	250	<a href="#">FA26X7R2E473KNU00</a>	<a href="#">FA26X7R2E473KNU06</a>
X7R	68nF	±10%	250	<a href="#">FA26X7R2E683KNU00</a>	<a href="#">FA26X7R2E683KNU06</a>
X7R	100nF	±10%	250	<a href="#">FA26X7R2E104KNU00</a>	<a href="#">FA26X7R2E104KNU06</a>
X7R	1nF	±10%	630	<a href="#">FA26X7R2J102KNU00</a>	<a href="#">FA26X7R2J102KNU06</a>
X7R	1.5nF	±10%	630	<a href="#">FA26X7R2J152KNU00</a>	<a href="#">FA26X7R2J152KNU06</a>
X7R	2.2nF	±10%	630	<a href="#">FA26X7R2J222KNU00</a>	<a href="#">FA26X7R2J222KNU06</a>
X7R	3.3nF	±10%	630	<a href="#">FA26X7R2J332KNU00</a>	<a href="#">FA26X7R2J332KNU06</a>
X7R	4.7nF	±10%	630	<a href="#">FA26X7R2J472KNU00</a>	<a href="#">FA26X7R2J472KNU06</a>
X7R	6.8nF	±10%	630	<a href="#">FA26X7R2J682KNU00</a>	<a href="#">FA26X7R2J682KNU06</a>
X7R	10nF	±10%	630	<a href="#">FA26X7R2J103KNU00</a>	<a href="#">FA26X7R2J103KNU06</a>
X7R	15nF	±10%	630	<a href="#">FA26X7R2J153KNU00</a>	<a href="#">FA26X7R2J153KNU06</a>
X7R	22nF	±10%	630	<a href="#">FA26X7R2J223KNU00</a>	<a href="#">FA26X7R2J223KNU06</a>
X7R	33nF	±10%	630	<a href="#">FA26X7R2J333KNU00</a>	<a href="#">FA26X7R2J333KNU06</a>
X7S	1.5uF	±10%	100	<a href="#">FA26X7S2A155KRU00</a>	<a href="#">FA26X7S2A155KRU06</a>
X7S	2.2uF	±10%	100	<a href="#">FA26X7S2A225KRU00</a>	<a href="#">FA26X7S2A225KRU06</a>
X7S	3.3uF	±10%	100	<a href="#">FA26X7S2A335KRU00</a>	<a href="#">FA26X7S2A335KRU06</a>
X7T	150nF	±10%	250	<a href="#">FA26X7T2E154KNU00</a>	<a href="#">FA26X7T2E154KNU06</a>
X7T	220nF	±10%	250	<a href="#">FA26X7T2E224KNU00</a>	<a href="#">FA26X7T2E224KNU06</a>

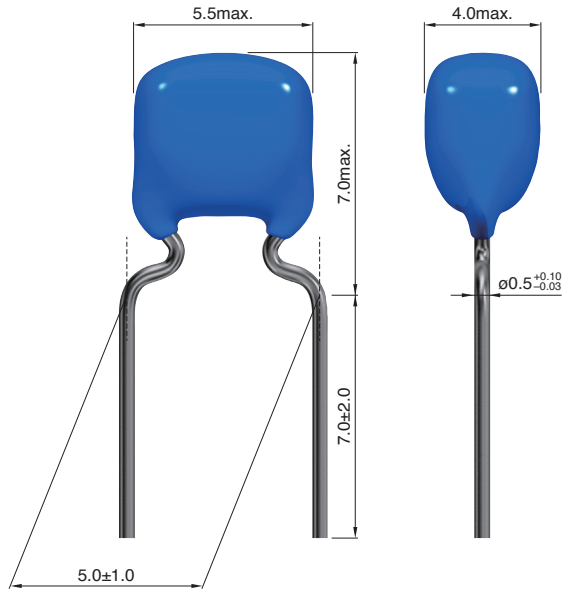
■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

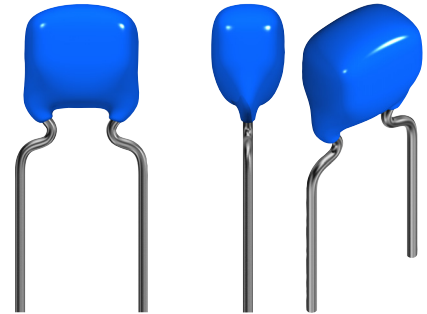
\* The part numbers are TDK's standard specification products.

# FA20 type

## ■ SHAPE & DIMENSIONS



Dimensions in mm



# FA20 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	47nF	±5%	100	<a href="#">FA20C0G2A473JNU00</a>	<a href="#">FA20C0G2A473JNU06</a>
C0G	68nF	±5%	100	<a href="#">FA20C0G2A683JNU00</a>	<a href="#">FA20C0G2A683JNU06</a>
C0G	33nF	±5%	250	<a href="#">FA20C0G2E333JNU00</a>	<a href="#">FA20C0G2E333JNU06</a>
C0G	47nF	±5%	250	<a href="#">FA20C0G2E473JNU00</a>	<a href="#">FA20C0G2E473JNU06</a>
C0G	22nF	±5%	450	<a href="#">FA20C0G2W223JNU00</a>	<a href="#">FA20C0G2W223JNU06</a>
C0G	33nF	±5%	450	<a href="#">FA20C0G2W333JNU00</a>	<a href="#">FA20C0G2W333JNU06</a>
C0G	15nF	±5%	630	<a href="#">FA20C0G2J153JNU00</a>	<a href="#">FA20C0G2J153JNU06</a>
C0G	22nF	±5%	630	<a href="#">FA20C0G2J223JNU00</a>	<a href="#">FA20C0G2J223JNU06</a>
C0G	33nF	±5%	630	<a href="#">FA20C0G2J333JNU00</a>	<a href="#">FA20C0G2J333JNU06</a>

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

#### CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	3.3uF	±10%	25	<a href="#">FA20X7R1E335KNU00</a>	<a href="#">FA20X7R1E335KNU06</a>
X7R	4.7uF	±10%	25	<a href="#">FA20X7R1E475KNU00</a>	<a href="#">FA20X7R1E475KNU06</a>
X7R	1uF	±10%	50	<a href="#">FA20X7R1H105KNU00</a>	<a href="#">FA20X7R1H105KNU06</a>
X7R	1.5uF	±10%	50	<a href="#">FA20X7R1H155KNU00</a>	<a href="#">FA20X7R1H155KNU06</a>
X7R	1.5uF	±10%	100	<a href="#">FA20X7R2A155KRU00</a>	<a href="#">FA20X7R2A155KRU06</a>
X7R	2.2uF	±10%	100	<a href="#">FA20X7R2A225KRU00</a>	<a href="#">FA20X7R2A225KRU06</a>
X7R	150nF	±10%	250	<a href="#">FA20X7R2E154KNU00</a>	<a href="#">FA20X7R2E154KNU06</a>
X7R	220nF	±10%	250	<a href="#">FA20X7R2E224KNU00</a>	<a href="#">FA20X7R2E224KNU06</a>
X7R	47nF	±10%	630	<a href="#">FA20X7R2J473KNU00</a>	<a href="#">FA20X7R2J473KNU06</a>
X7R	68nF	±10%	630	<a href="#">FA20X7R2J683KNU00</a>	<a href="#">FA20X7R2J683KNU06</a>
X7S	6.8uF	±10%	50	<a href="#">FA20X7S1H685KRU00</a>	<a href="#">FA20X7S1H685KRU06</a>
X7S	10uF	±10%	50	<a href="#">FA20X7S1H106KRU00</a>	<a href="#">FA20X7S1H106KRU06</a>
X7S	4.7uF	±10%	100	<a href="#">FA20X7S2A475KRU00</a>	<a href="#">FA20X7S2A475KRU06</a>
X7T	330nF	±10%	250	<a href="#">FA20X7T2E334KNU00</a>	<a href="#">FA20X7T2E334KNU06</a>

■ Gray items: These products are not recommended for new designs.

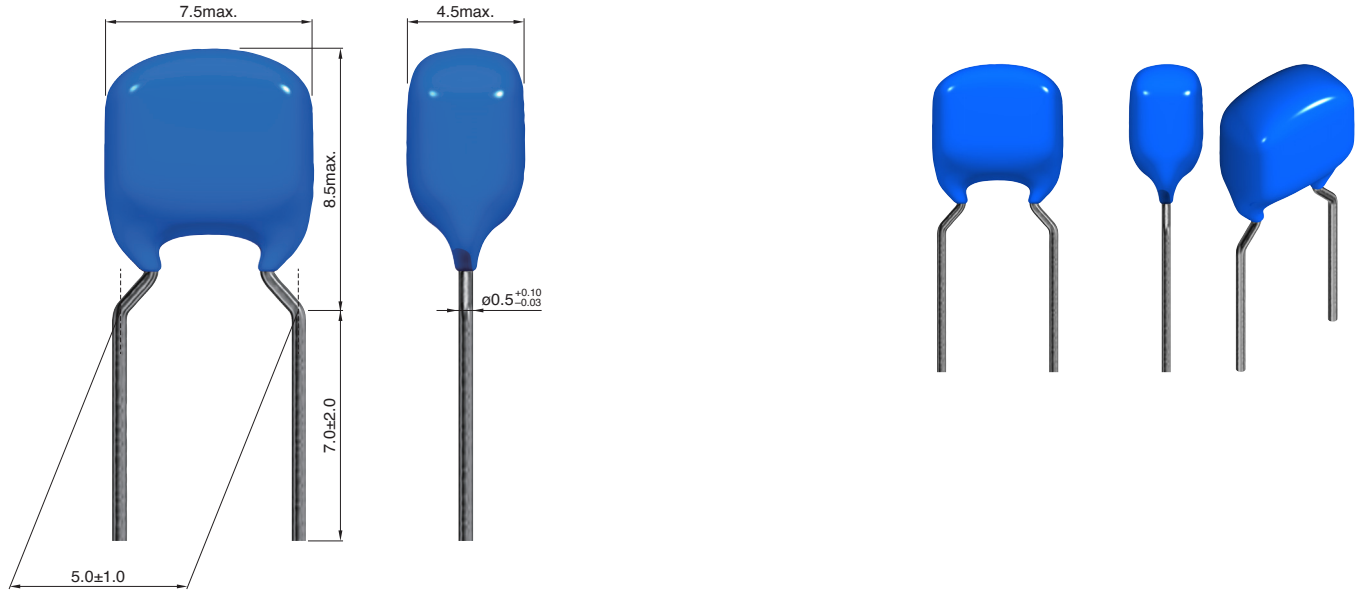
Click the part numbers for details.

\* The part numbers are TDK's standard specification products.



# FA22 type

## ■ SHAPE & DIMENSIONS



Dimensions in mm

# FA22 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	150nF	±5%	50	<a href="#">FA22C0G1H154JNU00</a>	<a href="#">FA22C0G1H154JNU06</a>
C0G	220nF	±5%	50	<a href="#">FA22C0G1H224JNU00</a>	<a href="#">FA22C0G1H224JNU06</a>
C0G	100nF	±5%	100	<a href="#">FA22C0G2A104JNU00</a>	<a href="#">FA22C0G2A104JNU06</a>
C0G	68nF	±5%	250	<a href="#">FA22C0G2E683JRU00</a>	<a href="#">FA22C0G2E683JRU06</a>
C0G	100nF	±5%	250	<a href="#">FA22C0G2E104JRU00</a>	<a href="#">FA22C0G2E104JRU06</a>
C0G	47nF	±5%	450	<a href="#">FA22C0G2W473JNU00</a>	<a href="#">FA22C0G2W473JNU06</a>
C0G	68nF	±5%	450	<a href="#">FA22C0G2W683JNU00</a>	<a href="#">FA22C0G2W683JNU06</a>
C0G	47nF	±5%	630	<a href="#">FA22C0G2J473JNU00</a>	<a href="#">FA22C0G2J473JNU06</a>

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

#### CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	10uF	±10%	25	<a href="#">FA22X7R1E106KNU00</a>	<a href="#">FA22X7R1E106KNU06</a>
X7R	15uF	±20%	25	<a href="#">FA22X7R1E156MRU00</a>	<a href="#">FA22X7R1E156MRU06</a>
X7R	22uF	±20%	25	<a href="#">FA22X7R1E226MRU00</a>	<a href="#">FA22X7R1E226MRU06</a>
X7R	2.2uF	±10%	50	<a href="#">FA22X7R1H225KNU00</a>	<a href="#">FA22X7R1H225KNU06</a>
X7R	3.3uF	±10%	50	<a href="#">FA22X7R1H335KNU00</a>	<a href="#">FA22X7R1H335KNU06</a>
X7R	4.7uF	±10%	50	<a href="#">FA22X7R1H475KRU00</a>	<a href="#">FA22X7R1H475KRU06</a>
X7R	6.8uF	±10%	50	<a href="#">FA22X7R1H685KRU00</a>	<a href="#">FA22X7R1H685KRU06</a>
X7R	1.5uF	±10%	100	<a href="#">FA22X7R2A155KNU00</a>	<a href="#">FA22X7R2A155KNU06</a>
X7R	2.2uF	±10%	100	<a href="#">FA22X7R2A225KNU00</a>	<a href="#">FA22X7R2A225KNU06</a>
X7R	330nF	±10%	250	<a href="#">FA22X7R2E334KNU00</a>	<a href="#">FA22X7R2E334KNU06</a>
X7R	470nF	±10%	250	<a href="#">FA22X7R2E474KNU00</a>	<a href="#">FA22X7R2E474KNU06</a>
X7R	100nF	±10%	630	<a href="#">FA22X7R2J104KNU00</a>	<a href="#">FA22X7R2J104KNU06</a>
X7T	680nF	±10%	250	<a href="#">FA22X7T2E684KNU00</a>	<a href="#">FA22X7T2E684KNU06</a>
X7T	1uF	±10%	250	<a href="#">FA22X7T2E105KNU00</a>	<a href="#">FA22X7T2E105KNU06</a>

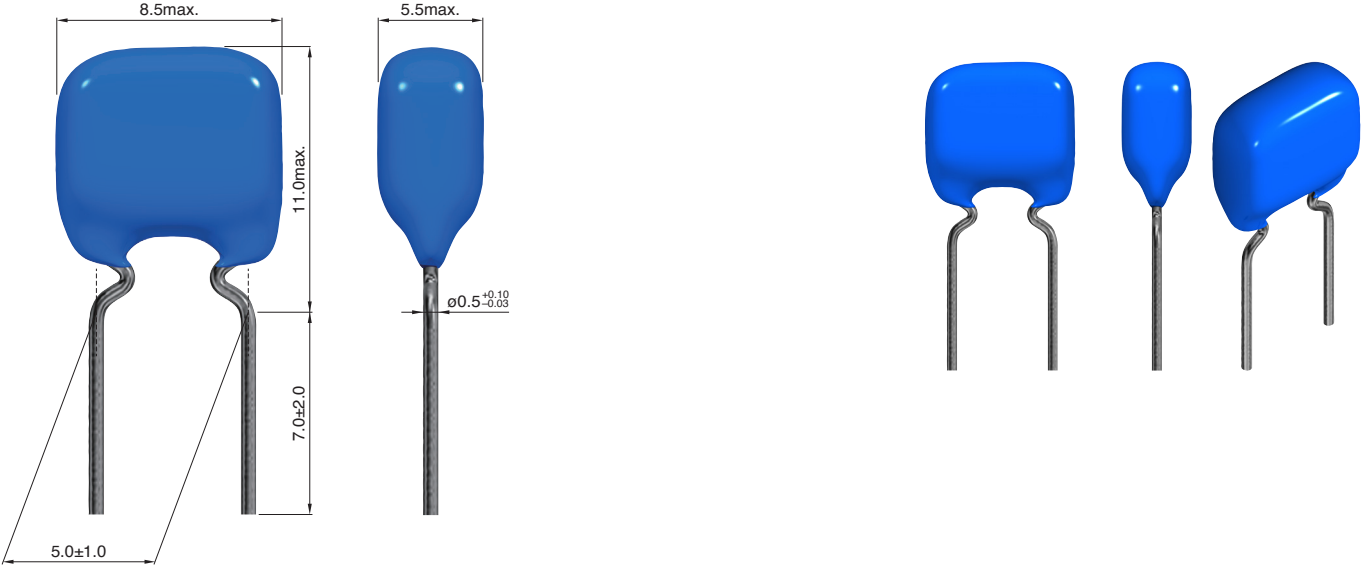
■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.


\* The part numbers are TDK's standard specification products.

# FA23 type

## ■ SHAPE & DIMENSIONS



Dimensions in mm

 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# FA23 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	150nF	±5%	100	<a href="#">FA23C0G2A154JNU00</a>	<a href="#">FA23C0G2A154JNU06</a>
C0G	150nF	±5%	250	<a href="#">FA23C0G2E154JRU00</a>	<a href="#">FA23C0G2E154JRU06</a>
C0G	100nF	±5%	450	<a href="#">FA23C0G2W104JNU00</a>	<a href="#">FA23C0G2W104JNU06</a>
C0G	68nF	±5%	630	<a href="#">FA23C0G2J683JRU00</a>	<a href="#">FA23C0G2J683JRU06</a>
C0G	100nF	±5%	630	<a href="#">FA23C0G2J104JRU00</a>	<a href="#">FA23C0G2J104JRU06</a>

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

#### CLASS 2 (TEMPERATURE STABLE)

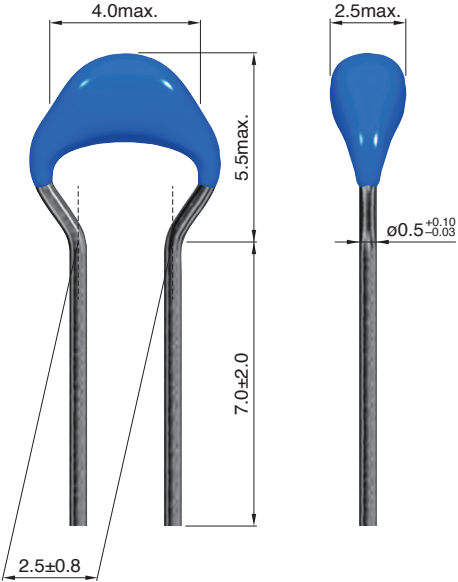
Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	22µF	±20%	25	<a href="#">FA23X7R1E226MNU00</a>	<a href="#">FA23X7R1E226MNU06</a>
X7R	10µF	±10%	50	<a href="#">FA23X7R1H106KRU00</a>	<a href="#">FA23X7R1H106KRU06</a>
X7R	3.3µF	±10%	100	<a href="#">FA23X7R2A335KNU00</a>	<a href="#">FA23X7R2A335KNU06</a>
X7R	4.7µF	±10%	100	<a href="#">FA23X7R2A475KNU00</a>	<a href="#">FA23X7R2A475KNU06</a>
X7R	680nF	±10%	250	<a href="#">FA23X7R2E684KNU00</a>	<a href="#">FA23X7R2E684KNU06</a>
X7R	1µF	±10%	250	<a href="#">FA23X7R2E105KNU00</a>	<a href="#">FA23X7R2E105KNU06</a>
X7R	150nF	±10%	630	<a href="#">FA23X7R2J154KNU00</a>	<a href="#">FA23X7R2J154KNU06</a>
X7R	220nF	±10%	630	<a href="#">FA23X7R2J224KNU00</a>	<a href="#">FA23X7R2J224KNU06</a>
X7S	6.8µF	±10%	100	<a href="#">FA23X7S2A685KRU00</a>	<a href="#">FA23X7S2A685KRU06</a>
X7S	10µF	±10%	100	<a href="#">FA23X7S2A106KRU00</a>	<a href="#">FA23X7S2A106KRU06</a>
X7S	15µF	±20%	100	<a href="#">FA23X7S2A156MRU00</a>	<a href="#">FA23X7S2A156MRU06</a>
X7T	1.5µF	±10%	250	<a href="#">FA23X7T2E155KNU00</a>	<a href="#">FA23X7T2E155KNU06</a>
X7T	2.2µF	±10%	250	<a href="#">FA23X7T2E225KNU00</a>	<a href="#">FA23X7T2E225KNU06</a>

Click the part numbers for details.

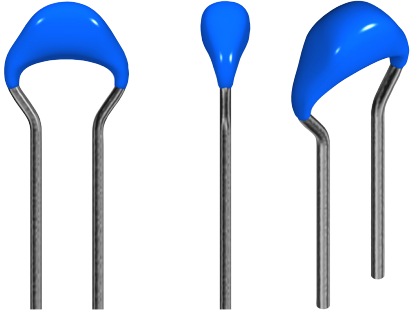
\* The part numbers are TDK's standard specification products.


# FA18 type

## ■ SHAPE & DIMENSIONS



Dimensions in mm



 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# FA18 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	1.0pF	±0.25pF	50	<a href="#">FA18C0G1H010CNU00</a>	<a href="#">FA18C0G1H010CNU06</a>
C0G	1.5pF	±0.25pF	50	<a href="#">FA18C0G1H1R5CNU00</a>	<a href="#">FA18C0G1H1R5CNU06</a>
C0G	2.2pF	±0.25pF	50	<a href="#">FA18C0G1H2R2CNU00</a>	<a href="#">FA18C0G1H2R2CNU06</a>
C0G	3.3pF	±0.25pF	50	<a href="#">FA18C0G1H3R3CNU00</a>	<a href="#">FA18C0G1H3R3CNU06</a>
C0G	4.7pF	±0.25pF	50	<a href="#">FA18C0G1H4R7CNU00</a>	<a href="#">FA18C0G1H4R7CNU06</a>
C0G	6.8pF	±0.5pF	50	<a href="#">FA18C0G1H6R8DNU00</a>	<a href="#">FA18C0G1H6R8DNU06</a>
C0G	10pF	±0.5pF	50	<a href="#">FA18C0G1H100DNU00</a>	<a href="#">FA18C0G1H100DNU06</a>
C0G	15pF	±5%	50	<a href="#">FA18C0G1H150JNU00</a>	<a href="#">FA18C0G1H150JNU06</a>
C0G	22pF	±5%	50	<a href="#">FA18C0G1H220JNU00</a>	<a href="#">FA18C0G1H220JNU06</a>
C0G	33pF	±5%	50	<a href="#">FA18C0G1H330JNU00</a>	<a href="#">FA18C0G1H330JNU06</a>
C0G	47pF	±5%	50	<a href="#">FA18C0G1H470JNU00</a>	<a href="#">FA18C0G1H470JNU06</a>
C0G	68pF	±5%	50	<a href="#">FA18C0G1H680JNU00</a>	<a href="#">FA18C0G1H680JNU06</a>
C0G	100pF	±5%	50	<a href="#">FA18C0G1H101JNU00</a>	<a href="#">FA18C0G1H101JNU06</a>
C0G	120pF	±5%	50	<a href="#">FA18C0G1H121JNU00</a>	<a href="#">FA18C0G1H121JNU06</a>
C0G	150pF	±5%	50	<a href="#">FA18C0G1H151JNU00</a>	<a href="#">FA18C0G1H151JNU06</a>
C0G	180pF	±5%	50	<a href="#">FA18C0G1H181JNU00</a>	<a href="#">FA18C0G1H181JNU06</a>
C0G	220pF	±5%	50	<a href="#">FA18C0G1H221JNU00</a>	<a href="#">FA18C0G1H221JNU06</a>
C0G	270pF	±5%	50	<a href="#">FA18C0G1H271JNU00</a>	<a href="#">FA18C0G1H271JNU06</a>
C0G	330pF	±5%	50	<a href="#">FA18C0G1H331JNU00</a>	<a href="#">FA18C0G1H331JNU06</a>
C0G	390pF	±5%	50	<a href="#">FA18C0G1H391JNU00</a>	<a href="#">FA18C0G1H391JNU06</a>
C0G	470pF	±5%	50	<a href="#">FA18C0G1H471JNU00</a>	<a href="#">FA18C0G1H471JNU06</a>
C0G	560pF	±5%	50	<a href="#">FA18C0G1H561JNU00</a>	<a href="#">FA18C0G1H561JNU06</a>
C0G	680pF	±5%	50	<a href="#">FA18C0G1H681JNU00</a>	<a href="#">FA18C0G1H681JNU06</a>
C0G	820pF	±5%	50	<a href="#">FA18C0G1H821JNU00</a>	<a href="#">FA18C0G1H821JNU06</a>
C0G	1nF	±5%	50	<a href="#">FA18C0G1H102JNU00</a>	<a href="#">FA18C0G1H102JNU06</a>
C0G	1.2nF	±5%	50	<a href="#">FA18C0G1H122JNU00</a>	<a href="#">FA18C0G1H122JNU06</a>
C0G	1.5nF	±5%	50	<a href="#">FA18C0G1H152JNU00</a>	<a href="#">FA18C0G1H152JNU06</a>
C0G	1.8nF	±5%	50	<a href="#">FA18C0G1H182JNU00</a>	<a href="#">FA18C0G1H182JNU06</a>
C0G	2.2nF	±5%	50	<a href="#">FA18C0G1H222JNU00</a>	<a href="#">FA18C0G1H222JNU06</a>
C0G	2.7nF	±5%	50	<a href="#">FA18C0G1H272JNU00</a>	<a href="#">FA18C0G1H272JNU06</a>
C0G	3.3nF	±5%	50	<a href="#">FA18C0G1H332JNU00</a>	<a href="#">FA18C0G1H332JNU06</a>
C0G	3.9nF	±5%	50	<a href="#">FA18C0G1H392JNU00</a>	<a href="#">FA18C0G1H392JNU06</a>
C0G	4.7nF	±5%	50	<a href="#">FA18C0G1H472JNU00</a>	<a href="#">FA18C0G1H472JNU06</a>
C0G	5.6nF	±5%	50	<a href="#">FA18C0G1H562JNU00</a>	<a href="#">FA18C0G1H562JNU06</a>
C0G	6.8nF	±5%	50	<a href="#">FA18C0G1H682JNU00</a>	<a href="#">FA18C0G1H682JNU06</a>
C0G	8.2nF	±5%	50	<a href="#">FA18C0G1H822JNU00</a>	<a href="#">FA18C0G1H822JNU06</a>
C0G	10nF	±5%	50	<a href="#">FA18C0G1H103JNU00</a>	<a href="#">FA18C0G1H103JNU06</a>
C0G	1.0pF	±0.25pF	100	<a href="#">FA18C0G2A010CNU00</a>	<a href="#">FA18C0G2A010CNU06</a>
C0G	1.5pF	±0.25pF	100	<a href="#">FA18C0G2A1R5CNU00</a>	<a href="#">FA18C0G2A1R5CNU06</a>
C0G	2.2pF	±0.25pF	100	<a href="#">FA18C0G2A2R2CNU00</a>	<a href="#">FA18C0G2A2R2CNU06</a>
C0G	3.3pF	±0.25pF	100	<a href="#">FA18C0G2A3R3CNU00</a>	<a href="#">FA18C0G2A3R3CNU06</a>
C0G	4.7pF	±0.25pF	100	<a href="#">FA18C0G2A4R7CNU00</a>	<a href="#">FA18C0G2A4R7CNU06</a>
C0G	6.8pF	±0.5pF	100	<a href="#">FA18C0G2A6R8DNU00</a>	<a href="#">FA18C0G2A6R8DNU06</a>
C0G	10pF	±0.5pF	100	<a href="#">FA18C0G2A100DNU00</a>	<a href="#">FA18C0G2A100DNU06</a>
C0G	15pF	±5%	100	<a href="#">FA18C0G2A150JNU00</a>	<a href="#">FA18C0G2A150JNU06</a>
C0G	22pF	±5%	100	<a href="#">FA18C0G2A220JNU00</a>	<a href="#">FA18C0G2A220JNU06</a>
C0G	33pF	±5%	100	<a href="#">FA18C0G2A330JNU00</a>	<a href="#">FA18C0G2A330JNU06</a>
C0G	47pF	±5%	100	<a href="#">FA18C0G2A470JNU00</a>	<a href="#">FA18C0G2A470JNU06</a>
C0G	68pF	±5%	100	<a href="#">FA18C0G2A680JNU00</a>	<a href="#">FA18C0G2A680JNU06</a>
C0G	100pF	±5%	100	<a href="#">FA18C0G2A101JNU00</a>	<a href="#">FA18C0G2A101JNU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# FA18 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	120pF	±5%	100	<a href="#">FA18C0G2A121JNU00</a>	<a href="#">FA18C0G2A121JNU06</a>
C0G	150pF	±5%	100	<a href="#">FA18C0G2A151JNU00</a>	<a href="#">FA18C0G2A151JNU06</a>
C0G	180pF	±5%	100	<a href="#">FA18C0G2A181JNU00</a>	<a href="#">FA18C0G2A181JNU06</a>
C0G	220pF	±5%	100	<a href="#">FA18C0G2A221JNU00</a>	<a href="#">FA18C0G2A221JNU06</a>
C0G	270pF	±5%	100	<a href="#">FA18C0G2A271JNU00</a>	<a href="#">FA18C0G2A271JNU06</a>
C0G	330pF	±5%	100	<a href="#">FA18C0G2A331JNU00</a>	<a href="#">FA18C0G2A331JNU06</a>
C0G	390pF	±5%	100	<a href="#">FA18C0G2A391JNU00</a>	<a href="#">FA18C0G2A391JNU06</a>
C0G	470pF	±5%	100	<a href="#">FA18C0G2A471JNU00</a>	<a href="#">FA18C0G2A471JNU06</a>
C0G	560pF	±5%	100	<a href="#">FA18C0G2A561JNU00</a>	<a href="#">FA18C0G2A561JNU06</a>
C0G	680pF	±5%	100	<a href="#">FA18C0G2A681JNU00</a>	<a href="#">FA18C0G2A681JNU06</a>
C0G	820pF	±5%	100	<a href="#">FA18C0G2A821JNU00</a>	<a href="#">FA18C0G2A821JNU06</a>
C0G	1nF	±5%	100	<a href="#">FA18C0G2A102JNU00</a>	<a href="#">FA18C0G2A102JNU06</a>
C0G	1.2nF	±5%	100	<a href="#">FA18C0G2A122JNU00</a>	<a href="#">FA18C0G2A122JNU06</a>
C0G	1.5nF	±5%	100	<a href="#">FA18C0G2A152JNU00</a>	<a href="#">FA18C0G2A152JNU06</a>
C0G	1.8nF	±5%	100	<a href="#">FA18C0G2A182JNU00</a>	<a href="#">FA18C0G2A182JNU06</a>
C0G	2.2nF	±5%	100	<a href="#">FA18C0G2A222JNU00</a>	<a href="#">FA18C0G2A222JNU06</a>
C0G	2.7nF	±5%	100	<a href="#">FA18C0G2A272JNU00</a>	<a href="#">FA18C0G2A272JNU06</a>
C0G	3.3nF	±5%	100	<a href="#">FA18C0G2A332JNU00</a>	<a href="#">FA18C0G2A332JNU06</a>
C0G	3.9nF	±5%	100	<a href="#">FA18C0G2A392JRU00</a>	<a href="#">FA18C0G2A392JRU06</a>
C0G	4.7nF	±5%	100	<a href="#">FA18C0G2A472JRU00</a>	<a href="#">FA18C0G2A472JRU06</a>
C0G	5.6nF	±5%	100	<a href="#">FA18C0G2A562JRU00</a>	<a href="#">FA18C0G2A562JRU06</a>
C0G	6.8nF	±5%	100	<a href="#">FA18C0G2A682JRU00</a>	<a href="#">FA18C0G2A682JRU06</a>
C0G	8.2nF	±5%	100	<a href="#">FA18C0G2A822JRU00</a>	<a href="#">FA18C0G2A822JRU06</a>
C0G	10nF	±5%	100	<a href="#">FA18C0G2A103JRU00</a>	<a href="#">FA18C0G2A103JRU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# FA18 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	150nF	±10%	25	<a href="#">FA18X7R1E154KNU00</a>	<a href="#">FA18X7R1E154KNU06</a>
X7R	680nF	±10%	25	<a href="#">FA18X7R1E684KRU00</a>	<a href="#">FA18X7R1E684KRU06</a>
X7R	1uF	±10%	25	<a href="#">FA18X7R1E105KRU00</a>	<a href="#">FA18X7R1E105KRU06</a>
X7R	1nF	±10%	50	<a href="#">FA18X7R1H102KNU00</a>	<a href="#">FA18X7R1H102KNU06</a>
X7R	1.5nF	±10%	50	<a href="#">FA18X7R1H152KNU00</a>	<a href="#">FA18X7R1H152KNU06</a>
X7R	2.2nF	±10%	50	<a href="#">FA18X7R1H222KNU00</a>	<a href="#">FA18X7R1H222KNU06</a>
X7R	3.3nF	±10%	50	<a href="#">FA18X7R1H332KNU00</a>	<a href="#">FA18X7R1H332KNU06</a>
X7R	4.7nF	±10%	50	<a href="#">FA18X7R1H472KNU00</a>	<a href="#">FA18X7R1H472KNU06</a>
X7R	6.8nF	±10%	50	<a href="#">FA18X7R1H682KNU00</a>	<a href="#">FA18X7R1H682KNU06</a>
X7R	10nF	±10%	50	<a href="#">FA18X7R1H103KNU00</a>	<a href="#">FA18X7R1H103KNU06</a>
X7R	15nF	±10%	50	<a href="#">FA18X7R1H153KNU00</a>	<a href="#">FA18X7R1H153KNU06</a>
X7R	22nF	±10%	50	<a href="#">FA18X7R1H223KNU00</a>	<a href="#">FA18X7R1H223KNU06</a>
X7R	33nF	±10%	50	<a href="#">FA18X7R1H333KNU00</a>	<a href="#">FA18X7R1H333KNU06</a>
X7R	47nF	±10%	50	<a href="#">FA18X7R1H473KNU00</a>	<a href="#">FA18X7R1H473KNU06</a>
X7R	68nF	±10%	50	<a href="#">FA18X7R1H683KNU00</a>	<a href="#">FA18X7R1H683KNU06</a>
X7R	100nF	±10%	50	<a href="#">FA18X7R1H104KNU00</a>	<a href="#">FA18X7R1H104KNU06</a>
X7R	150nF	±10%	50	<a href="#">FA18X7R1H154KRU00</a>	<a href="#">FA18X7R1H154KRU06</a>
X7R	220nF	±10%	50	<a href="#">FA18X7R1H224KRU00</a>	<a href="#">FA18X7R1H224KRU06</a>
X7R	330nF	±10%	50	<a href="#">FA18X7R1H334KRU00</a>	<a href="#">FA18X7R1H334KRU06</a>
X7R	470nF	±10%	50	<a href="#">FA18X7R1H474KRU00</a>	<a href="#">FA18X7R1H474KRU06</a>
X7R	1nF	±10%	100	<a href="#">FA18X7R2A102KNU00</a>	<a href="#">FA18X7R2A102KNU06</a>
X7R	1.5nF	±10%	100	<a href="#">FA18X7R2A152KNU00</a>	<a href="#">FA18X7R2A152KNU06</a>
X7R	2.2nF	±10%	100	<a href="#">FA18X7R2A222KNU00</a>	<a href="#">FA18X7R2A222KNU06</a>
X7R	3.3nF	±10%	100	<a href="#">FA18X7R2A332KNU00</a>	<a href="#">FA18X7R2A332KNU06</a>
X7R	4.7nF	±10%	100	<a href="#">FA18X7R2A472KNU00</a>	<a href="#">FA18X7R2A472KNU06</a>
X7R	6.8nF	±10%	100	<a href="#">FA18X7R2A682KNU00</a>	<a href="#">FA18X7R2A682KNU06</a>
X7R	10nF	±10%	100	<a href="#">FA18X7R2A103KNU00</a>	<a href="#">FA18X7R2A103KNU06</a>
X7R	15nF	±10%	100	<a href="#">FA18X7R2A153KNU00</a>	<a href="#">FA18X7R2A153KNU06</a>
X7R	22nF	±10%	100	<a href="#">FA18X7R2A223KNU00</a>	<a href="#">FA18X7R2A223KNU06</a>
X7S	33nF	±10%	100	<a href="#">FA18X7S2A333KRU00</a>	<a href="#">FA18X7S2A333KRU06</a>
X7S	47nF	±10%	100	<a href="#">FA18X7S2A473KRU00</a>	<a href="#">FA18X7S2A473KRU06</a>
X7S	68nF	±10%	100	<a href="#">FA18X7S2A683KRU00</a>	<a href="#">FA18X7S2A683KRU06</a>
X7S	100nF	±10%	100	<a href="#">FA18X7S2A104KRU00</a>	<a href="#">FA18X7S2A104KRU06</a>

■ Gray items: These products are not recommended for new designs.

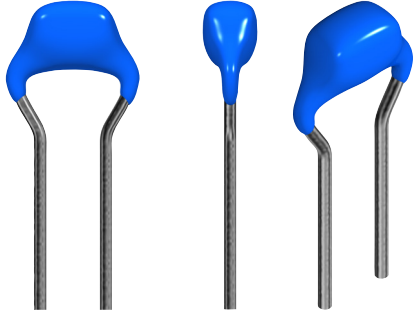
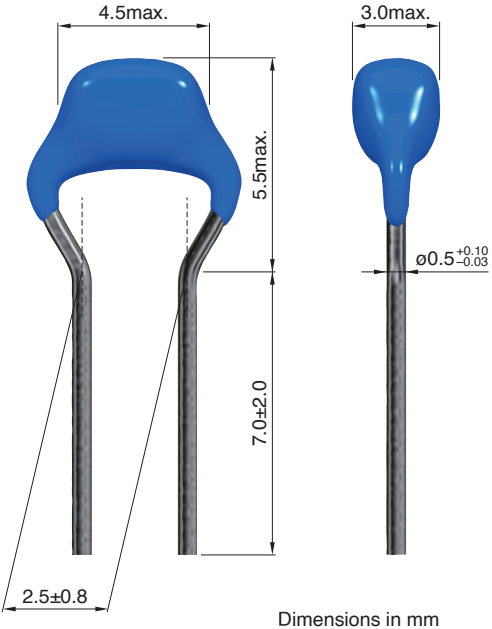
Click the part numbers for details.


\* The part numbers are TDK's standard specification products.



# FA14 type

## ■ SHAPE & DIMENSIONS



 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# FA14 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	15nF	±5%	50	<a href="#">FA14C0G1H153JNU00</a>	<a href="#">FA14C0G1H153JNU06</a>
C0G	22nF	±5%	50	<a href="#">FA14C0G1H223JNU00</a>	<a href="#">FA14C0G1H223JNU06</a>
C0G	33nF	±5%	50	<a href="#">FA14C0G1H333JNU00</a>	<a href="#">FA14C0G1H333JNU06</a>
C0G	3.9nF	±5%	100	<a href="#">FA14C0G2A392JNU00</a>	<a href="#">FA14C0G2A392JNU06</a>
C0G	4.7nF	±5%	100	<a href="#">FA14C0G2A472JNU00</a>	<a href="#">FA14C0G2A472JNU06</a>
C0G	5.6nF	±5%	100	<a href="#">FA14C0G2A562JNU00</a>	<a href="#">FA14C0G2A562JNU06</a>
C0G	6.8nF	±5%	100	<a href="#">FA14C0G2A682JNU00</a>	<a href="#">FA14C0G2A682JNU06</a>
C0G	8.2nF	±5%	100	<a href="#">FA14C0G2A822JNU00</a>	<a href="#">FA14C0G2A822JNU06</a>
C0G	10nF	±5%	100	<a href="#">FA14C0G2A103JNU00</a>	<a href="#">FA14C0G2A103JNU06</a>
C0G	15nF	±5%	100	<a href="#">FA14C0G2A153JRU00</a>	<a href="#">FA14C0G2A153JRU06</a>
C0G	22nF	±5%	100	<a href="#">FA14C0G2A223JRU00</a>	<a href="#">FA14C0G2A223JRU06</a>
C0G	33nF	±5%	100	<a href="#">FA14C0G2A333JRU00</a>	<a href="#">FA14C0G2A333JRU06</a>

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

#### CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	470nF	±10%	25	<a href="#">FA14X7R1E474KNU00</a>	<a href="#">FA14X7R1E474KNU06</a>
X7R	3.3uF	±10%	25	<a href="#">FA14X7R1E335KRU00</a>	<a href="#">FA14X7R1E335KRU06</a>
X7R	4.7uF	±10%	25	<a href="#">FA14X7R1E475KRU00</a>	<a href="#">FA14X7R1E475KRU06</a>
X7R	150nF	±10%	50	<a href="#">FA14X7R1H154KNU00</a>	<a href="#">FA14X7R1H154KNU06</a>
X7R	220nF	±10%	50	<a href="#">FA14X7R1H224KNU00</a>	<a href="#">FA14X7R1H224KNU06</a>
X7R	330nF	±10%	50	<a href="#">FA14X7R1H334KNU00</a>	<a href="#">FA14X7R1H334KNU06</a>
X7R	680nF	±10%	50	<a href="#">FA14X7R1H684KRU00</a>	<a href="#">FA14X7R1H684KRU06</a>
X7R	1uF	±10%	50	<a href="#">FA14X7R1H105KRU00</a>	<a href="#">FA14X7R1H105KRU06</a>
X7R	1.5uF	±10%	50	<a href="#">FA14X7R1H155KRU00</a>	<a href="#">FA14X7R1H155KRU06</a>
X7R	2.2uF	±10%	50	<a href="#">FA14X7R1H225KRU00</a>	<a href="#">FA14X7R1H225KRU06</a>
X7R	33nF	±10%	100	<a href="#">FA14X7R2A333KNU00</a>	<a href="#">FA14X7R2A333KNU06</a>
X7R	47nF	±10%	100	<a href="#">FA14X7R2A473KNU00</a>	<a href="#">FA14X7R2A473KNU06</a>
X7R	68nF	±10%	100	<a href="#">FA14X7R2A683KNU00</a>	<a href="#">FA14X7R2A683KNU06</a>
X7R	100nF	±10%	100	<a href="#">FA14X7R2A104KNU00</a>	<a href="#">FA14X7R2A104KNU06</a>
X7S	150nF	±10%	100	<a href="#">FA14X7S2A154KRU00</a>	<a href="#">FA14X7S2A154KRU06</a>
X7S	220nF	±10%	100	<a href="#">FA14X7S2A224KRU00</a>	<a href="#">FA14X7S2A224KRU06</a>
X7S	330nF	±10%	100	<a href="#">FA14X7S2A334KRU00</a>	<a href="#">FA14X7S2A334KRU06</a>
X7S	470nF	±10%	100	<a href="#">FA14X7S2A474KRU00</a>	<a href="#">FA14X7S2A474KRU06</a>
X7S	680nF	±10%	100	<a href="#">FA14X7S2A684KRU00</a>	<a href="#">FA14X7S2A684KRU06</a>
X7S	1uF	±10%	100	<a href="#">FA14X7S2A105KRU00</a>	<a href="#">FA14X7S2A105KRU06</a>

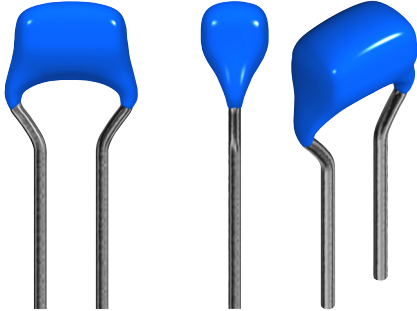
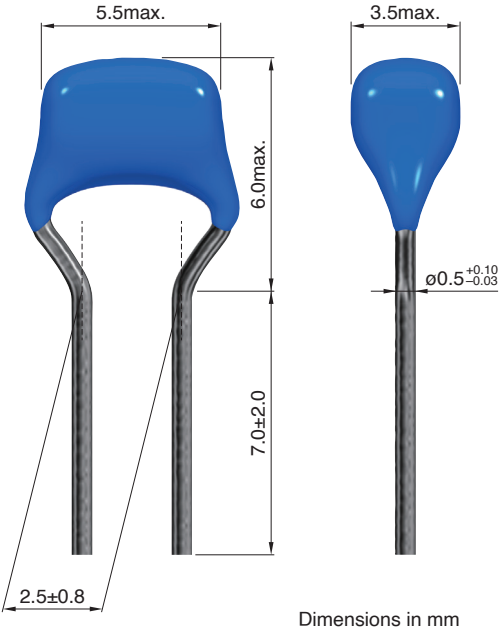
■ Gray items: These products are not recommended for new designs.


Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

# FA16 type

## ■ SHAPE & DIMENSIONS



 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# FA16 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	47nF	±5%	50	<a href="#">FA16C0G1H473JNU00</a>	<a href="#">FA16C0G1H473JNU06</a>
C0G	68nF	±5%	50	<a href="#">FA16C0G1H683JNU00</a>	<a href="#">FA16C0G1H683JNU06</a>
C0G	100nF	±5%	50	<a href="#">FA16C0G1H104JNU00</a>	<a href="#">FA16C0G1H104JNU06</a>
C0G	15nF	±5%	100	<a href="#">FA16C0G2A153JNU00</a>	<a href="#">FA16C0G2A153JNU06</a>
C0G	22nF	±5%	100	<a href="#">FA16C0G2A223JNU00</a>	<a href="#">FA16C0G2A223JNU06</a>
C0G	33nF	±5%	100	<a href="#">FA16C0G2A333JNU00</a>	<a href="#">FA16C0G2A333JNU06</a>
C0G	47nF	±5%	100	<a href="#">FA16C0G2A473JRU00</a>	<a href="#">FA16C0G2A473JRU06</a>
C0G	68nF	±5%	100	<a href="#">FA16C0G2A683JRU00</a>	<a href="#">FA16C0G2A683JRU06</a>
C0G	100nF	±5%	100	<a href="#">FA16C0G2A104JRU00</a>	<a href="#">FA16C0G2A104JRU06</a>

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

#### CLASS 2 (TEMPERATURE STABLE)

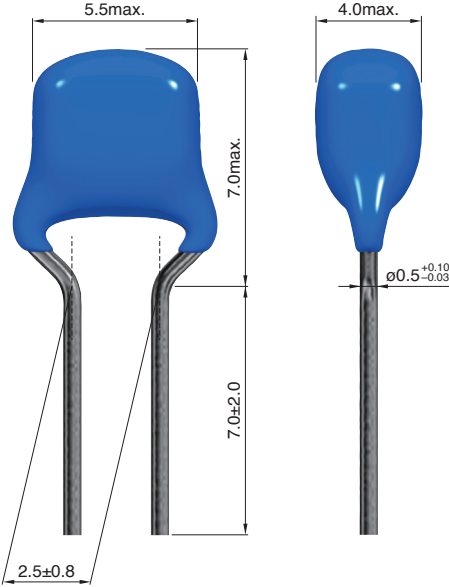
Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	1uF	±10%	25	<a href="#">FA16X7R1E105KNU00</a>	<a href="#">FA16X7R1E105KNU06</a>
X7R	1.5uF	±10%	25	<a href="#">FA16X7R1E155KNU00</a>	<a href="#">FA16X7R1E155KNU06</a>
X7R	2.2uF	±10%	25	<a href="#">FA16X7R1E225KNU00</a>	<a href="#">FA16X7R1E225KNU06</a>
X7R	6.8uF	±10%	25	<a href="#">FA16X7R1E685KRU00</a>	<a href="#">FA16X7R1E685KRU06</a>
X7R	10uF	±10%	25	<a href="#">FA16X7R1E106KRU00</a>	<a href="#">FA16X7R1E106KRU06</a>
X7R	470nF	±10%	50	<a href="#">FA16X7R1H474KNU00</a>	<a href="#">FA16X7R1H474KNU06</a>
X7R	680nF	±10%	50	<a href="#">FA16X7R1H684KNU00</a>	<a href="#">FA16X7R1H684KNU06</a>
X7R	3.3uF	±10%	50	<a href="#">FA16X7R1H335KRU00</a>	<a href="#">FA16X7R1H335KRU06</a>
X7R	4.7uF	±10%	50	<a href="#">FA16X7R1H475KRU00</a>	<a href="#">FA16X7R1H475KRU06</a>
X7R	150nF	±10%	100	<a href="#">FA16X7R2A154KNU00</a>	<a href="#">FA16X7R2A154KNU06</a>
X7R	220nF	±10%	100	<a href="#">FA16X7R2A224KNU00</a>	<a href="#">FA16X7R2A224KNU06</a>
X7R	330nF	±10%	100	<a href="#">FA16X7R2A334KNU00</a>	<a href="#">FA16X7R2A334KNU06</a>
X7R	470nF	±10%	100	<a href="#">FA16X7R2A474KNU00</a>	<a href="#">FA16X7R2A474KNU06</a>
X7R	680nF	±10%	100	<a href="#">FA16X7R2A684KNU00</a>	<a href="#">FA16X7R2A684KNU06</a>
X7R	1uF	±10%	100	<a href="#">FA16X7R2A105KNU00</a>	<a href="#">FA16X7R2A105KNU06</a>
X7S	1.5uF	±10%	100	<a href="#">FA16X7S2A155KRU00</a>	<a href="#">FA16X7S2A155KRU06</a>
X7S	2.2uF	±10%	100	<a href="#">FA16X7S2A225KRU00</a>	<a href="#">FA16X7S2A225KRU06</a>
X7S	3.3uF	±10%	100	<a href="#">FA16X7S2A335KRU00</a>	<a href="#">FA16X7S2A335KRU06</a>

Click the part numbers for details.

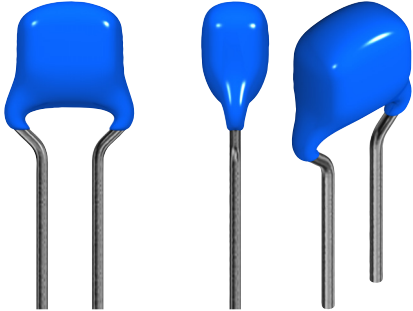
\* The part numbers are TDK's standard specification products.


# FA11 type

## ■ SHAPE & DIMENSIONS



Dimensions in mm



 Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

# FA11 type

## ELECTRICAL CHARACTERISTICS

### CHARACTERISTICS SPECIFICATION TABLE

#### CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
C0G	47nF	±5%	100	<a href="#">FA11C0G2A473JNU00</a>	<a href="#">FA11C0G2A473JNU06</a>
C0G	68nF	±5%	100	<a href="#">FA11C0G2A683JNU00</a>	<a href="#">FA11C0G2A683JNU06</a>

Click the part numbers for details.

\* The part numbers are TDK's standard specification products.

#### CLASS 2 (TEMPERATURE STABLE)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*	
				Separate	Taping
X7R	3.3uF	±10%	25	<a href="#">FA11X7R1E335KNU00</a>	<a href="#">FA11X7R1E335KNU06</a>
X7R	4.7uF	±10%	25	<a href="#">FA11X7R1E475KNU00</a>	<a href="#">FA11X7R1E475KNU06</a>
X7R	1uF	±10%	50	<a href="#">FA11X7R1H105KNU00</a>	<a href="#">FA11X7R1H105KNU06</a>
X7R	1.5uF	±10%	50	<a href="#">FA11X7R1H155KNU00</a>	<a href="#">FA11X7R1H155KNU06</a>
X7R	1.5uF	±10%	100	<a href="#">FA11X7R2A155KRU00</a>	<a href="#">FA11X7R2A155KRU06</a>
X7R	2.2uF	±10%	100	<a href="#">FA11X7R2A225KRU00</a>	<a href="#">FA11X7R2A225KRU06</a>
X7S	6.8uF	±10%	50	<a href="#">FA11X7S1H685KRU00</a>	<a href="#">FA11X7S1H685KRU06</a>
X7S	10uF	±10%	50	<a href="#">FA11X7S1H106KRU00</a>	<a href="#">FA11X7S1H106KRU06</a>
X7S	4.7uF	±10%	100	<a href="#">FA11X7S2A475KRU00</a>	<a href="#">FA11X7S2A475KRU06</a>

■ Gray items: These products are not recommended for new designs.

Click the part numbers for details.

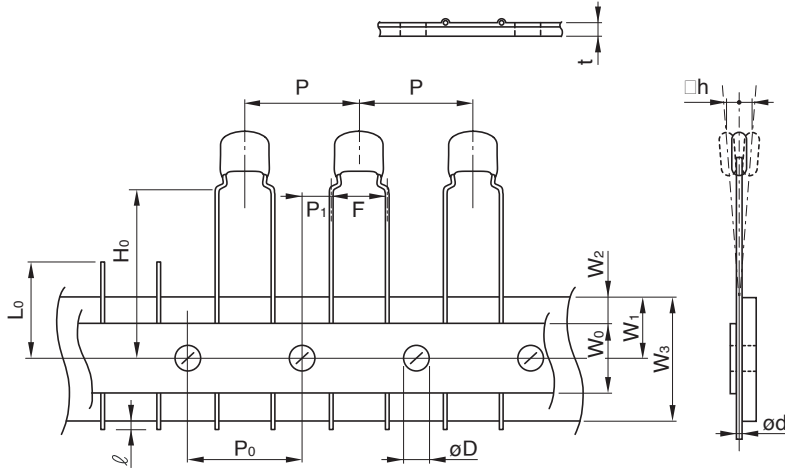
\* The part numbers are TDK's standard specification products.

# PACKAGING STYLE

## TAPING DIMENSIONS

### Lead pitch 5.0 mm

(FA28, FA24, FA26, FA20, FA22, FA23 type)

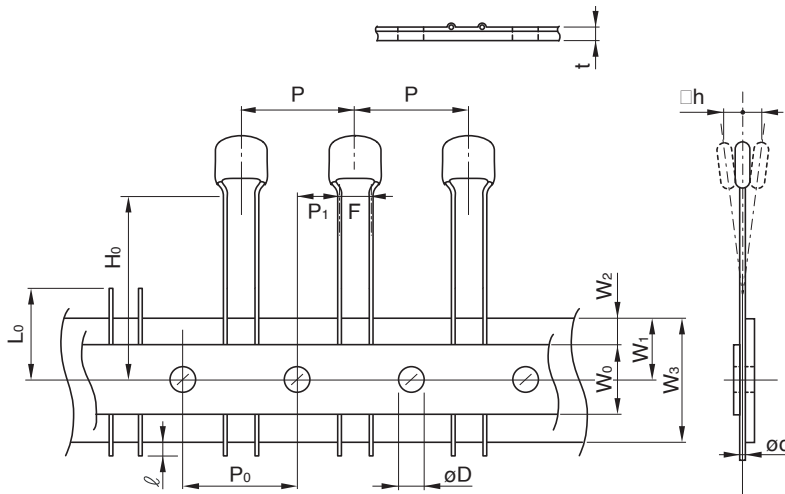


Symbol	Dimensions(mm)
P	(12.7)
P0	(12.7)
P1	(3.85)
W0	12.0±1.0
W1	9.0±0.5
W2*1	3.0max.
W3	18.0+1.0, -0.5
H0	16.0±0.8
l	1.0max.
t	0.6±0.2
L0*2	11.0max.
F*3	5.0+0.8, -0.2
ød	ø0.5+0.1, -0.03
øD	(ø4.0)
Dh	(±2)

The values in parentheses "( )" are reference values.  
 \*1 Adhesive tape shall not stick out from carrier tape.  
 \*2 The number of consecutive gaps in the product shall be three or less.  
 \*3 The measurement position should be 1.5 to 2.0 mm below the kink.

### Lead pitch 2.5 mm

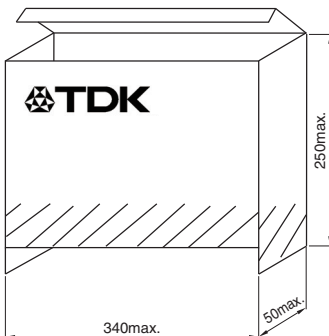
(FA18, FA14, FA16, FA11 type)



Symbol	Dimensions(mm)
P	(12.7)
P0	(12.7)
P1	(5.1)
W0	12.0±1.0
W1	9.0±0.5
W2*1	3.0max.
W3	18.0+1.0, -0.5
H0	16.0±0.8
l	1.0max.
t	0.6±0.2
L0*2	11.0max.
F*3	2.5+0.5, -0.2
ød	ø0.5+0.1, -0.03
øD	(ø4.0)
Dh	(±2)

The values in parentheses "( )" are reference values.  
 \*1 Adhesive tape shall not stick out from carrier tape.  
 \*2 The number of consecutive gaps in the product shall be three or less.  
 \*3 The measurement position should be 1.5 to 2.0 mm below the kink.

## AMMO PACK INNER BOX SIZE



Dimensions in mm

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.