

Capacitor with Multi-layer Lead

Conventional product*

Commercial Grade



(*) For a new design, FA or FG Series with halogen-free specification are recommended.

Type: General (Up to 50V)

> FK28, FK18 FK24, FK14 FK26, FK16 FK20, FK11 FK22

Mid Voltage (100 to 630V)

FK28, FK18 FK24, FK14 FK26, FK16 FK20, FK11

FK22



Capacitor with Multi-layer Lead

Product compatible with RoHS directive

Commercial Grade

Overview of the FK General (Up to 50V) Series

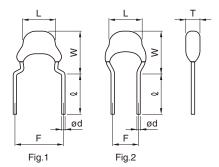
FEATURES

- High capacitance has been achieved through improvements in the thinning process of ceramic dielectric layers and multi-layer lamination technology.
- High reliability is maintained under specified environmental conditions.
- Low residual inductance and excellent frequency characteristics has been achieved.
- The leads are formed with a "kink" to achieve consistent insertion heights and facilitate the release of gases during soldering for dramatically improved solderability.
- Taping specifications are available for automatic insertions, which contribute to reduce on-board costs.

PRODUCT IDENTIFICATION

FK 28 COG 1H 101 J (7)

- (1) Series name
- (2) Dimensions and shapes of lead wire



| | | Dimensions | in mı |
|---|----|------------|-------|
| ۸ | αd | | Fig |

| Type | L max. | W max. | T max. | F | Q | ød | Fig |
|------|--------|--------|--------|---------|--------|---------------|-----|
| 28 | 4.0 | 5.5 | 2.5 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 24 | 4.5 | 5.5 | 2.5 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 26 | 5.5 | 6.0 | 3.5 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 20 | 5.5 | 7.0 | 4.0 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 22 | 7.5 | 8.0 | 4.0 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 18 | 4.0 | 5.5 | 2.5 | 2.5±0.8 | 5+3,-1 | 0.5+0.1,-0.03 | 2 |
| 14 | 4.5 | 5.5 | 2.5 | 2.5±0.8 | 5+3,-1 | 0.5+0.1,-0.03 | 2 |
| 16 | 5.5 | 6.0 | 3.5 | 2.5±0.8 | 5+3,-1 | 0.5+0.1,-0.03 | 2 |
| 11 | 5.5 | 7.0 | 4.0 | 2.5±0.8 | 5+3,-1 | 0.5+0.1,-0.03 | 2 |

(3) Capacitance temperature characteristics

Class 1 (Temperature compensation)

| Temperature characteristics | apacitance change | Temperature range |
|-----------------------------|-------------------|-------------------|
| COG 0 | ±30ppm/°C | −55 to +125°C |

Class 2 (Temperature stable and general purpose)

| | _ | |
|-----------------------------|--------------------|-------------------|
| Temperature characteristics | Capacitance change | Temperature range |
| X7R | ±15% | −55 to +125°C |
| X5R | ±15% | –55 to +85°C |
| X7S | ±22% | −55 to +125°C |

(4) Rated voltage Edc

| OJ | 6.3V | |
|----|------|--|
| 1A | 10V | |
| 1C | 16V | |
| 1E | 25V | |
| 1H | 50V | |

(5) Nominal capacitance

The capacitance is expressed in three digit codes and in units of pico farads (pF).

The first and second digits identify the first and second significant figures of the capacitance.

The third digit identifies the multiplier.

| 0R5 | 0.5pF | |
|-----|---------|--|
| 010 | 1pF | |
| 100 | 10pF | |
| 102 | 1,000pF | |

(6) Capacitance tolerance

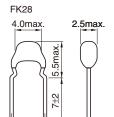
| Symbol | Tolerance | Applicable capacitance range |
|--------|-----------|------------------------------|
| С | ±0.25pF | 10pF max. |
| D | ±0.5pF | торг шах. |
| J | ±5% | |
| K | ±10% | Over 10pF |
| M | ±20% | |

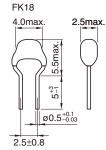
(7) TDK internal code

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2011/65/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.



CAPACITANCE RANGES: CLASS 1 (TEMPERATURE COMPENSATION) FK28 AND FK18 TYPES SHAPES AND DIMENSIONS





Dimensions in mm

RATED VOLTAGE Edc: 50V

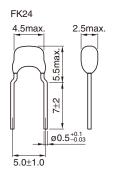
Ø0.5^{+0.1}_{-0.03}

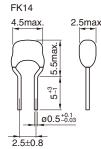
| Price Syste | Temperature | Conseitones | Talawanaa | Rated voltage | Part No. | |
|--|-----------------|-------------|-----------|---------------|---------------|---------------|
| COG | characteristics | Capacitance | Tolerance | Edc(V) | FK28 type | FK18 type |
| DOG | C0G | 1pF | ±0.25pF | 50 | FK28C0G1H010C | FK18C0G1H010C |
| COG 2.2pF ±0.25pF 50 FX28CGG1H2R2CC FK18CGG1H2R3CC COG 3.3pF ±0.25pF 50 FX28CGG1H2R3C FK18CGG1H3R3C COG 4.9F ±0.25pF 50 FX28CGG1H3R3C FK18CGG1H3R3C COG 4.9F ±0.25pF 50 FX28CGG1H4R7C FK18CGG1H4R7C COG 5.9F ±0.25pF 50 FX28CGG1H4R7C FK18CGG1H4R7C COG 5.9F ±0.25pF 50 FX28CGG1H4R8C FK18CGG1H4R6C COG 5.9F ±0.25pF 50 FX28CGG1H4R8C FK18CGG1H4R6C COG 5.9F ±0.5pF 50 FX28CGG1H4R8D FK18CGG1H4R6C COG 5.9F ±0.5pF 50 FX28CGG1H4R8D FK18CGG1H4R6C COG 5.9F ±0.5pF 50 FX28CGG1H4R8D FK18CGG1H6R8D COG 5.9F ±0.5pF 50 FX28CGG1H4R8D FK18CGG1H6R0D COG 5.9F ±0.5pF 50 FX28CGG1H1R0D FK18CGG1H2G1AC | C0G | 1.5pF | ±0.25pF | 50 | FK28C0G1H1R5C | FK18C0G1H1R5C |
| DOG | C0G | 2pF | ±0.25pF | 50 | FK28C0G1H020C | FK18C0G1H020C |
| COG 3.9F ±0.25pF 50 FX28CGG1H3R3C FK18CDG1H3R3C CK18CDG1H3R3C CK18CDG1H3CDC | C0G | 2.2pF | ±0.25pF | 50 | FK28C0G1H2R2C | FK18C0G1H2R2C |
| COG 4-pF ±0.25pF 50 FK2800G1H0A0C FK18C0G1H0A0C COG 4.7pF ±0.25pF 50 FK28C0G1H4R7C FK18C0G1H4B7C COG 5pF ±0.25pF 50 FK28C0G1H6B0C FK18C0G1H6B0D COG 6pF ±0.5pF 50 FK28C0G1H6B0D FK18C0G1H6B0D COG 6.8pF ±0.5pF 50 FK28C0G1H6B0D FK18C0G1H6B0D COG 3pF ±0.5pF 50 FK28C0G1H090D FK18C0G1H6B0D COG 3pF ±0.5pF 50 FK28C0G1H090D FK18C0G1H090D COG 1pF ±0.5pF 50 FK28C0G1H100D FK18C0G1H100D COG 1pF ±0.5pF 50 FK28C0G1H120D FK18C0G1H120D COG 1pF ±5% 50 FK28C0G1H120D FK18C0G1H120D COG 1pF ±5% 50 FK28C0G1H120D FK18C0G1H120D COG 1pF ±5% 50 FK28C0G1H120D FK18C0G1H22D COG | C0G | 3pF | ±0.25pF | 50 | FK28C0G1H030C | FK18C0G1H030C |
| COG 4.7pF ±0.25pF 50 FK28COG1H4B7C FK18COG1H4B7C COG 5pF ±0.25pF 50 FK28COG1H08DD FK18COG1H08DD COG 6.8pF ±0.5pF 50 FK28COG1H08DD FK18COG1H08DD COG 7.pF ±0.5pF 50 FK28COG1H08DD FK18COG1H07DD COG 8pF ±0.5pF 50 FK28COG1H08DD FK18COG1H08DD COG 9pF ±0.5pF 50 FK28COG1H100D FK18COG1H09DD COG 10pF ±0.5pF 50 FK28COG1H100D FK18COG1H10DD COG 12pF ±5% 50 FK28COG1H10DD FK18COG1H12DJ COG 12pF ±5% 50 FK28COG1H15DJ FK18COG1H12DJ COG 12pF ±5% 50 FK28COG1H18DJ FK18COG1H12DJ COG 15pF ±5% 50 FK28COG1H18DJ FK18COG1H18DJ COG 23pF ±5% 50 FK28COG1H14DJ FK18COG1H18DJ COG <t< td=""><td>C0G</td><td>3.3pF</td><td>±0.25pF</td><td>50</td><td>FK28C0G1H3R3C</td><td>FK18C0G1H3R3C</td></t<> | C0G | 3.3pF | ±0.25pF | 50 | FK28C0G1H3R3C | FK18C0G1H3R3C |
| COG 5pF ±0.25pF 50 FK28COG1H050C FK18COG1H050C COG 6pF ±0.5pF 50 FK28COG1H060D FK18COG1H060D COG 7pF ±0.5pF 50 FK28COG1H060D FK18COG1H060D COG 8pF ±0.5pF 50 FK28COG1H060D FK18COG1H060D COG 9pF ±0.5pF 50 FK28COG1H060D FK18COG1H060D COG 10pF ±0.5pF 50 FK28COG1H090D FK18COG1H000D COG 12pF ±5% 50 FK28COG1H102D FK18COG1H100D COG 12pF ±5% 50 FK28COG1H12D FK18COG1H12D COG 12pF ±5% 50 FK28COG1H12D FK18COG1H12D COG 12pF ±5% 50 FK28COG1H12D FK18COG1H2DU COG 22pF ±5% 50 FK28COG1H18DU FK18COG1H2DU COG 23pF ±5% 50 FK28COG1H3DU FK18COG1H2DU COG 33pF | C0G | 4pF | ±0.25pF | 50 | FK28C0G1H040C | FK18C0G1H040C |
| COG 6,9F ±0.5pF 50 FK28C0G1H6R8D FK18C0G1H6R8D COG 6,8pF ±0.5pF 50 FK28C0G1H6R8D FK18C0G1H6R8D COG 7pF ±0.5pF 50 FK28C0G1H070D FK18C0G1H080D COG 8pF ±0.5pF 50 FK28C0G1H090D FK18C0G1H080D COG 10pF ±0.5pF 50 FK28C0G1H100D FK18C0G1H100D COG 10pF ±0.5pF 50 FK28C0G1H100D FK18C0G1H120J COG 12pF ±5% 50 FK28C0G1H120J FK18C0G1H180J COG 15pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 15pF ±5% 50 FK28C0G1H220J FK18C0G1H270J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H270J COG 27pF ±5% 50 FK28C0G1H220J FK18C0G1H270J COG 35pF ±5% 50 FK28C0G1H220J FK18C0G1H270J COG 35p | C0G | 4.7pF | ±0.25pF | 50 | FK28C0G1H4R7C | FK18C0G1H4R7C |
| COG 6.8pF ±0.5pF 50 FK28COG1H6R8D FK18COG1H6R8D COG 7pF ±0.5pF 50 FK28COG1H080D FK18COG1H070D COG 8pF ±0.5pF 50 FK28COG1H080D FK18COG1H080D COG 10pF ±0.5pF 50 FK28COG1H090D FK18COG1H100D COG 10pF ±0.5pF 50 FK28COG1H100D FK18COG1H100D COG 12pF ±5% 50 FK28COG1H100D FK18COG1H120U COG 15pF ±5% 50 FK28COG1H120U FK18COG1H120U COG 15pF ±5% 50 FK28COG1H120U FK18COG1H20U COG 22pF ±5% 50 FK28COG1H220U FK18COG1H220U COG 23pF ±5% 50 FK28COG1H270U FK18COG1H220U COG 33pF ±5% 50 FK28COG1H330U FK18COG1H330U COG 33pF ±5% 50 FK28COG1H330U FK18COG1H330U COG 47pF <td>C0G</td> <td>5pF</td> <td>±0.25pF</td> <td>50</td> <td>FK28C0G1H050C</td> <td>FK18C0G1H050C</td> | C0G | 5pF | ±0.25pF | 50 | FK28C0G1H050C | FK18C0G1H050C |
| COG 7pF ±0.5pF 50 FK28C0G1H070D FK18C0G1H080D COG 8pF ±0.5pF 50 FK28C0G1H080D FK18C0G1H080D COG 9pF ±0.5pF 50 FK28C0G1H090D FK18C0G1H080D COG 10pF ±0.5pF 50 FK28C0G1H100D FK18C0G1H120J COG 12pF ±5% 50 FK28C0G1H120J FK18C0G1H180J COG 15pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 18pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 33pF ±5% 50 FK28C0G1H270J FK18C0G1H270J COG 33pF ±5% 50 FK28C0G1H270J FK18C0G1H270J COG 33pF ±5% 50 FK28C0G1H330J FK18C0G1H370J COG 33pF ±5% 50 FK28C0G1H3030J FK18C0G1H390J FK18C0G1H390J C | C0G | 6pF | ±0.5pF | 50 | FK28C0G1H060D | FK18C0G1H060D |
| COG 9pF ±0.5pF 50 FK28C0G1H080D FK18C0G1H080D COG 9pF ±0.5pF 50 FK28C0G1H100D FK18C0G1H090D COG 10pF ±0.5pF 50 FK28C0G1H100D FK18C0G1H100D COG 12pF ±5% 50 FK28C0G1H100D FK18C0G1H120J COG 15pF ±5% 50 FK28C0G1H150J FK18C0G1H120J COG 15pF ±5% 50 FK28C0G1H150J FK18C0G1H120J COG 15pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 14pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 12pF ±5% 50 FK28C0G1H120J FK18C0G1H180J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 33pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 33pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 33pF ±5% 50 FK28C0G1H220J FK18C0G1H30J COG 33pF ±5% 50 FK28C0G1H20J FK18C0G1H30J COG 33pF ±5% 50 FK28C0G1H390J FK18C0G1H30J COG 47pF ±5% 50 FK28C0G1H30J FK18C0G1H30J COG 65pF ±5% 50 FK28C0G1H30J FK18C0G1H30J COG 10pF ±5% 50 FK28C0G1H30J FK18C0G1H30J COG 10pF ±5% 50 FK28C0G1H30J FK18C0G1H30J COG 10pF ±5% 50 FK28C0G1H30J FK18C0G1H30J COG 12pF ±5% 50 FK28C0G1H30J FK18C0G1H30J FK18C0G1H30J COG 12pF ±5% 50 FK28C0G1H30J FK18C0G1H30J FK18C0G1H30J COG 12pF ±5% 50 FK28C0G1H30J FK18C0G1H30J FK18C0G1H3 | C0G | 6.8pF | ±0.5pF | 50 | FK28C0G1H6R8D | FK18C0G1H6R8D |
| COG 9pF ±0.5pF 50 FK282CG31H090D FK18CCG31H090D COG 10pF ±0.5pF 50 FK28CCG1H120D FK18CCG1H110D COG 12pF ±5% 50 FK28CCG31H120D FK18CCG31H120D COG 13pF ±5% 50 FK28CCG31H180D FK18CCG31H180D COG 22pF ±5% 50 FK28CCG31H22DJ FK18CCG31H22DJ COG 22pF ±5% 50 FK28CCG31H27DJ FK18CCG31H22DJ COG 27pF ±5% 50 FK28CCG31H27DJ FK18CCG31H22DJ COG 33pF ±5% 50 FK28CCG31H330J FK18CCG31H330J COG 33pF ±5% 50 FK28CCG31H390J FK18CCG31H390J COG 35pF ±5% 50 FK28CCG31H30J FK18CCG31H390J COG 45pF ±5% 50 FK28CCG31H30J FK18CCG31H390J COG 56pF ±5% 50 FK28CCG31H32DJ FK18CCG31H32DJ COG | C0G | 7pF | ±0.5pF | 50 | FK28C0G1H070D | FK18C0G1H070D |
| COG 10pF ±0,5pF 50 FK28C0G1H100D FK18C0G1H120J COG 12pF ±5% 50 FK28C0G1H120J FK18C0G1H120J COG 15pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 18pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 22pF ±5% 50 FK28C0G1H270J FK18C0G1H220J COG 27pF ±5% 50 FK28C0G1H270J FK18C0G1H220J COG 33pF ±5% 50 FK28C0G1H270J FK18C0G1H270J COG 33pF ±5% 50 FK28C0G1H390J FK18C0G1H390J COG 33pF ±5% 50 FK28C0G1H390J FK18C0G1H390J COG 47pF ±5% 50 FK28C0G1H300J FK18C0G1H30J COG 56pF ±5% 50 FK28C0G1H800J FK18C0G1H80J COG 82pF ±5% 50 FK28C0G1H80J FK18C0G1H80J COG 82pF ± | | 8pF | ±0.5pF | 50 | FK28C0G1H080D | FK18C0G1H080D |
| COG 12pF ±5% 50 FK28C0G1H120J FK18C0G1H150J COG 15pF ±5% 50 FK28C0G1H150J FK18C0G1H150J COG 18pF ±5% 50 FK28C0G1H120J FK18C0G1H220J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 27pF ±5% 50 FK28C0G1H30J FK18C0G1H220J COG 33pF ±5% 50 FK28C0G1H30J FK18C0G1H330J COG 33pF ±5% 50 FK28C0G1H30J FK18C0G1H330J COG 34pF ±5% 50 FK28C0G1H30J FK18C0G1H330J COG 47pF ±5% 50 FK28C0G1H470J FK18C0G1H30J COG 56pF ±5% 50 FK28C0G1H80J FK18C0G1H50J COG 68pF ±5% 50 FK28C0G1H80J FK18C0G1H50J COG 82pF ±5% 50 FK28C0G1H20J FK18C0G1H50J COG 15pF ±5% | C0G | 9pF | ±0.5pF | 50 | FK28C0G1H090D | FK18C0G1H090D |
| COG 15pF ±5% 50 FK28C0G1H180J FK18C0G1H150J COG 18pF ±5% 50 FK28C0G1H180J FK18C0G1H180J COG 22pF ±5% 50 FK28C0G1H220J FK18C0G1H220J COG 27pF ±5% 50 FK28C0G1H220J FK18C0G1H270J COG 33pF ±5% 50 FK28C0G1H390J FK18C0G1H330J COG 39pF ±5% 50 FK28C0G1H390J FK18C0G1H390J COG 47pF ±5% 50 FK28C0G1H500J FK18C0G1H390J COG 56pF ±5% 50 FK28C0G1H500J FK18C0G1H390J COG 68pF ±5% 50 FK28C0G1H500J FK18C0G1H300J COG 68pF ±5% 50 FK28C0G1H860J FK18C0G1H860J COG 82pF ±5% 50 FK28C0G1H101J FK18C0G1H860J COG 10pF ±5% 50 FK28C0G1H101J FK18C0G1H101J COG 120pF <td< td=""><td>C0G</td><td>10pF</td><td>±0.5pF</td><td>50</td><td>FK28C0G1H100D</td><td>FK18C0G1H100D</td></td<> | C0G | 10pF | ±0.5pF | 50 | FK28C0G1H100D | FK18C0G1H100D |
| COG 18pF ±5% 50 FK28COG1H120J FK18COG1H220J FK18COG1H220J COG 22pF ±5% 50 FK28COG1H220J FK18COG1H220J COG 27pF ±5% 50 FK28COG1H270J FK18COG1H270J COG 33pF ±5% 50 FK28COG1H330J FK18COG1H390J COG 39pF ±5% 50 FK28COG1H390J FK18COG1H390J COG 47pF ±5% 50 FK28COG1H390J FK18COG1H470J COG 56pF ±5% 50 FK28COG1H460J FK18COG1H470J COG 56pF ±5% 50 FK28COG1H680J FK18COG1H680J COG 68pF ±5% 50 FK28COG1H820J FK18COG1H820J COG 10pF ±5% 50 FK28COG1H180J FK18COG1H820J COG 10pF ±5% 50 FK28COG1H1101J FK18COG1H121J COG 12opF ±5% 50 FK28COG1H1101J FK18COG1H151J COG | | 12pF | ±5% | | FK28C0G1H120J | FK18C0G1H120J |
| COG 22pF ±5% 50 FK28C0G1H22U FK18C0G1H22U COG 27pF ±5% 50 FK28C0G1H27U FK18C0G1H27U COG 33pF ±5% 50 FK28C0G1H33U FK18C0G1H33U COG 33pF ±5% 50 FK28C0G1H39U FK18C0G1H39U COG 35pF ±5% 50 FK28C0G1H47U FK18C0G1H47U COG 56pF ±5% 50 FK28C0G1H46U FK18C0G1H46U COG 68pF ±5% 50 FK28C0G1H88U FK18C0G1H8BU COG 82pF ±5% 50 FK28C0G1H82U FK18C0G1H8BU COG 100pF ±5% 50 FK28C0G1H121J FK18C0G1H121J COG 120pF ±5% 50 FK28C0G1H121J FK18C0G1H121J COG 120pF ±5% 50 FK28C0G1H121J FK18C0G1H181J COG 120pF ±5% 50 FK28C0G1H181J FK18C0G1H21J COG 120pF ±5% | C0G | 15pF | ±5% | 50 | FK28C0G1H150J | FK18C0G1H150J |
| COG 27pF ±5% 50 FK28COG1H270J FK18COG1H270J COG 33pF ±5% 50 FK28COG1H330J FK18COG1H330J COG 39pF ±5% 50 FK28COG1H430J FK18COG1H390J COG 47pF ±5% 50 FK28COG1H470J FK18COG1H470J COG 56pF ±5% 50 FK28COG1H460J FK18COG1H560J COG 68pF ±5% 50 FK28COG1H660J FK18COG1H680J COG 68pF ±5% 50 FK28COG1H680J FK18COG1H680J COG 100pF ±5% 50 FK28COG1H120J FK18COG1H1820J COG 120pF ±5% 50 FK28COG1H121J FK18COG1H121J COG 150pF ±5% 50 FK28COG1H181J FK18COG1H121J COG 150pF ±5% 50 FK28COG1H181J FK18COG1H181J COG 150pF ±5% 50 FK28COG1H181J FK18COG1H181J COG 270pF | | 18pF | | 50 | FK28C0G1H180J | FK18C0G1H180J |
| Dec | C0G | 22pF | ±5% | 50 | FK28C0G1H220J | FK18C0G1H220J |
| COG 39pF ±5% 50 FK28COG1H390J FK18COG1H390J COG 47pF ±5% 50 FK28COG1H470J FK18COG1H470J COG 56pF ±5% 50 FK28COG1H660J FK18COG1H680J COG 68pF ±5% 50 FK28COG1H680J FK18COG1H680J COG 82pF ±5% 50 FK28COG1H101J FK18COG1H820J COG 100pF ±5% 50 FK28COG1H101J FK18COG1H820J COG 120pF ±5% 50 FK28COG1H121J FK18COG1H121J COG 150pF ±5% 50 FK28COG1H151J FK18COG1H151J COG 150pF ±5% 50 FK28COG1H21J FK18COG1H21J COG 150pF ±5% 50 FK28COG1H81J FK18COG1H221J COG 220pF ±5% 50 FK28COG1H81J FK18COG1H221J COG 270pF ±5% 50 FK28COG1H331J FK18COG1H221J COG 270pF | C0G | 27pF | | 50 | FK28C0G1H270J | FK18C0G1H270J |
| COG 47pF ±5% 50 FK28COG1H470J FK18COG1H470J COG 56pF ±5% 50 FK28COG1H560J FK18COG1H560J COG 68pF ±5% 50 FK28COG1H680J FK18COG1H680J COG 82pF ±5% 50 FK28COG1H820J FK18COG1H820J COG 100pF ±5% 50 FK28COG1H101J FK18COG1H820J COG 120pF ±5% 50 FK28COG1H121J FK18COG1H121J COG 150pF ±5% 50 FK28COG1H121J FK18COG1H121J COG 150pF ±5% 50 FK28COG1H121J FK18COG1H151J COG 180pF ±5% 50 FK28COG1H121J FK18COG1H121J COG 220pF ±5% 50 FK28COG1H221J FK18COG1H221J COG 270pF ±5% 50 FK28COG1H221J FK18COG1H221J COG 330pF ±5% 50 FK28COG1H331J FK18COG1H221J COG 470pF | C0G | 33pF | ±5% | 50 | FK28C0G1H330J | FK18C0G1H330J |
| COG 56pF ±5% 50 FK28C0G1H560J FK18C0G1H560J COG 68pF ±5% 50 FK28C0G1H680J FK18C0G1H880J COG 82pF ±5% 50 FK28C0G1H82UJ FK18C0G1H82UJ COG 100pF ±5% 50 FK28C0G1H101J FK18C0G1H101J COG 120pF ±5% 50 FK28C0G1H121J FK18C0G1H121J COG 150pF ±5% 50 FK28C0G1H121J FK18C0G1H151J COG 180pF ±5% 50 FK28C0G1H121J FK18C0G1H151J COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H181J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H271J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H331J FK18C0G1H321J COG 470pF | C0G | 39pF | ±5% | 50 | FK28C0G1H390J | FK18C0G1H390J |
| COG 68pF ±5% 50 FK28C0G1H680J FK18C0G1H680J COG 82pF ±5% 50 FK28C0G1H820J FK18C0G1H820J COG 100pF ±5% 50 FK28C0G1H101J FK18C0G1H101J COG 120pF ±5% 50 FK28C0G1H121J FK18C0G1H121J COG 150pF ±5% 50 FK28C0G1H181J FK18C0G1H151J COG 180pF ±5% 50 FK28C0G1H181J FK18C0G1H181J COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H221J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H471J FK18C0G1H31J COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560pF | C0G | 47pF | | | FK28C0G1H470J | FK18C0G1H470J |
| COG 82PF ±5% 50 FK28COG1H820J FK18COG1H820J COG 100pF ±5% 50 FK28COG1H101J FK18COG1H101J COG 120pF ±5% 50 FK28COG1H121J FK18COG1H121J COG 150pF ±5% 50 FK28COG1H121J FK18COG1H151J COG 180pF ±5% 50 FK28COG1H181J FK18COG1H181J COG 220pF ±5% 50 FK28COG1H221J FK18COG1H221J COG 220pF ±5% 50 FK28COG1H221J FK18COG1H221J COG 270pF ±5% 50 FK28COG1H331J FK18COG1H271J COG 330pF ±5% 50 FK28COG1H331J FK18COG1H271J COG 390pF ±5% 50 FK28COG1H331J FK18COG1H391J COG 390pF ±5% 50 FK28COG1H391J FK18COG1H391J COG 470pF ±5% 50 FK28COG1H391J FK18COG1H391J COG 680pF | | <u>'</u> | | | | |
| COG 100pF ±5% 50 FK28C0G1H101J FK18C0G1H101J COG 120pF ±5% 50 FK28C0G1H121J FK18C0G1H121J COG 150pF ±5% 50 FK28C0G1H151J FK18C0G1H151J COG 180pF ±5% 50 FK28C0G1H181J FK18C0G1H181J COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H221J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 270pF ±5% 50 FK28C0G1H331J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H391J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 560pF ±5% 50 FK28C0G1H821J FK18C0G1H561J COG 820pF | | <u>'</u> | | | FK28C0G1H680J | FK18C0G1H680J |
| COG 120pF ±5% 50 FK28C0G1H121J FK18C0G1H121J COG 150pF ±5% 50 FK28C0G1H151J FK18C0G1H161J COG 180pF ±5% 50 FK28C0G1H221J FK18C0G1H181J COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H221J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 390pF ±5% 50 FK28C0G1H561J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H861J FK18C0G1H471J COG 680pF ±5% 50 FK28C0G1H861J FK18C0G1H661J COG 820pF ±5% 50 FK28C0G1H22J FK18C0G1H21J COG 1200pF | | | | | | |
| COG 150pF ±5% 50 FK28C0G1H151J FK18C0G1H151J COG 180pF ±5% 50 FK28C0G1H181J FK18C0G1H181J COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H221J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 470pF ±5% 50 FK28C0G1H561J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H661J COG 680pF ±5% 50 FK28C0G1H861J FK18C0G1H661J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H162J COG 1500pF <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| COG 180pF ±5% 50 FK28C0G1H181J FK18C0G1H181J COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H221J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H391J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 680pF ±5% 50 FK28C0G1H861J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H22J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| COG 220pF ±5% 50 FK28C0G1H221J FK18C0G1H221J COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H471J COG 680pF ±5% 50 FK28C0G1H561J FK18C0G1H661J COG 680pF ±5% 50 FK28C0G1H861J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H681J COG 1000pF ±5% 50 FK28C0G1H821J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H102J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H22J FK18C0G1H182J COG 1800pF </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| COG 270pF ±5% 50 FK28C0G1H271J FK18C0G1H271J COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H4391J COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 680pF ±5% 50 FK28C0G1H681J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1200pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2200p | | | | | | |
| COG 330pF ±5% 50 FK28C0G1H331J FK18C0G1H331J COG 390pF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 680pF ±5% 50 FK28C0G1H681J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H681J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H821J COG 1200pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H22J FK18C0G1H22J COG 2700pF ±5% 50 FK28C0G1H22J FK18C0G1H22J COG 3300pF </td <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> | | • | | | | |
| COG 390PF ±5% 50 FK28C0G1H391J FK18C0G1H391J COG 470PF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560PF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 680PF ±5% 50 FK28C0G1H681J FK18C0G1H681J COG 820PF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000PF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200PF ±5% 50 FK28C0G1H1122J FK18C0G1H1122J COG 1500PF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1500PF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 1800PF ±5% 50 FK28C0G1H22J FK18C0G1H22J COG 2200PF ±5% 50 FK28C0G1H332J FK18C0G1H272J COG 2700PF ±5% 50 FK28C0G1H332J FK18C0G1H392J COG 330 | | | | | | |
| COG 470pF ±5% 50 FK28C0G1H471J FK18C0G1H471J COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 680pF ±5% 50 FK28C0G1H681J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1500pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 1800pF ±5% 50 FK28C0G1H22J FK18C0G1H22J COG 2200pF ±5% 50 FK28C0G1H22J FK18C0G1H27J COG 2700pF ±5% 50 FK28C0G1H332J FK18C0G1H32J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H392J COG 4700pF< | | | | | | |
| COG 560pF ±5% 50 FK28C0G1H561J FK18C0G1H561J COG 680pF ±5% 50 FK28C0G1H681J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H22J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H362J FK18C0G1H472J COG 56 | | | | | | |
| COG 680pF ±5% 50 FK28C0G1H681J FK18C0G1H681J COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H562J FK18C0G1H62J COG 5600pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 6 | | | | | | |
| COG 820pF ±5% 50 FK28C0G1H821J FK18C0G1H821J COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 6800pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 1000pF ±5% 50 FK28C0G1H102J FK18C0G1H102J COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H682J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 1200pF ±5% 50 FK28C0G1H122J FK18C0G1H122J COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H682J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 1500pF ±5% 50 FK28C0G1H152J FK18C0G1H152J COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H682J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 1800pF ±5% 50 FK28C0G1H182J FK18C0G1H182J COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H682J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 2200pF ±5% 50 FK28C0G1H222J FK18C0G1H222J COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H562J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 2700pF ±5% 50 FK28C0G1H272J FK18C0G1H272J COG 3300pF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H562J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 3300PF ±5% 50 FK28C0G1H332J FK18C0G1H332J COG 3900PF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700PF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600PF ±5% 50 FK28C0G1H562J FK18C0G1H562J COG 6800PF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200PF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 3900pF ±5% 50 FK28C0G1H392J FK18C0G1H392J COG 4700pF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H562J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| COG 4700PF ±5% 50 FK28C0G1H472J FK18C0G1H472J COG 5600PF ±5% 50 FK28C0G1H562J FK18C0G1H562J COG 6800PF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200PF ±5% 50 FK28C0G1H822J FK18C0G1H822J | C0G | | | | | |
| COG 5600pF ±5% 50 FK28C0G1H562J FK18C0G1H562J COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | <u>'</u> | | | | |
| COG 6800pF ±5% 50 FK28C0G1H682J FK18C0G1H682J COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | ' | | | | |
| COG 8200pF ±5% 50 FK28C0G1H822J FK18C0G1H822J | | | | | | |
| | C0G | <u>'</u> | | | | |
| COG 10000pF ±5% 50 FK28C0G1H103J FK18C0G1H103J | C0G | | | | | |
| | C0G | 10000pF | ±5% | 50 | FK28C0G1H103J | FK18C0G1H103J |

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.



FK24 AND FK14 TYPES SHAPES AND DIMENSIONS



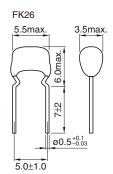


Dimensions in mm

RATED VOLTAGE Edc: 50V

| Temperature | Consoitones | Tolerance | Rated voltage | Part No. | |
|-----------------|-----------------------------|---------------------------------------|---------------|---------------|---------------|
| characteristics | characteristics Capacitance | eristics Capacitance Tolerance Edc(V) | Edc(V) | FK24 type | FK14 type |
| C0G | 2700pF | ±5% | 50 | FK24C0G1H272J | FK14C0G1H272J |
| C0G | 3300pF | ±5% | 50 | FK24C0G1H332J | FK14C0G1H332J |
| C0G | 3900pF | ±5% | 50 | FK24C0G1H392J | FK14C0G1H392J |
| C0G | 4700pF | ±5% | 50 | FK24C0G1H472J | FK14C0G1H472J |
| C0G | 5600pF | ±5% | 50 | FK24C0G1H562J | FK14C0G1H562J |
| C0G | 6800pF | ±5% | 50 | FK24C0G1H682J | FK14C0G1H682J |
| C0G | 8200pF | ±5% | 50 | FK24C0G1H822J | FK14C0G1H822J |
| C0G | 10000pF | ±5% | 50 | FK24C0G1H103J | FK14C0G1H103J |
| C0G | 15000pF | ±5% | 50 | FK24C0G1H153J | FK14C0G1H153J |
| C0G | 22000pF | ±5% | 50 | FK24C0G1H223J | FK14C0G1H223J |
| C0G | 33000pF | ±5% | 50 | FK24C0G1H333J | FK14C0G1H333J |

FK26 AND FK16 TYPES SHAPES AND DIMENSIONS





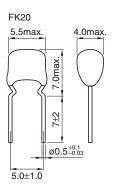
Dimensions in mm

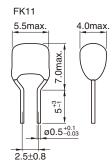
RATED VOLTAGE Edc: 50V

| Temperature | Capacitance | Tolerance | Rated voltage | Part No. | |
|-----------------------------|-------------|-----------|---------------|---------------|---------------|
| characteristics Capacitance | Tolerance | Edc(V) | FK26 type | FK16 type | |
| C0G | 4700pF | ±5% | 50 | FK26C0G1H472J | FK16C0G1H472J |
| C0G | 5600pF | ±5% | 50 | FK26C0G1H562J | FK16C0G1H562J |
| C0G | 6800pF | ±5% | 50 | FK26C0G1H682J | FK16C0G1H682J |
| COG | 8200pF | ±5% | 50 | FK26C0G1H822J | FK16C0G1H822J |
| C0G | 10000pF | ±5% | 50 | FK26C0G1H103J | FK16C0G1H103J |
| C0G | 15000pF | ±5% | 50 | FK26C0G1H153J | FK16C0G1H153J |
| C0G | 22000pF | ±5% | 50 | FK26C0G1H223J | FK16C0G1H223J |
| C0G | 33000pF | ±5% | 50 | FK26C0G1H333J | FK16C0G1H333J |
| C0G | 47000pF | ±5% | 50 | FK26C0G1H473J | FK16C0G1H473J |
| C0G | 68000pF | ±5% | 50 | FK26C0G1H683J | FK16C0G1H683J |
| C0G | 0.1μF | ±5% | 50 | FK26C0G1H104J | FK16C0G1H104J |



FK20 AND FK11 TYPES SHAPES AND DIMENSIONS





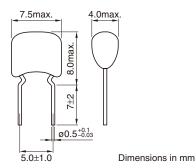
Dimensions in mm

RATED VOLTAGE Edc: 50V

| Temperature | Capacitance | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|---------------|
| characteristics | Capacitance | roierance | Edc(V) | FK20 type | FK11 type |
| C0G | 22000pF | ±5% | 50 | FK20C0G1H223J | FK11C0G1H223J |
| C0G | 33000pF | ±5% | 50 | FK20C0G1H333J | FK11C0G1H333J |
| COG | 47000pF | ±5% | 50 | FK20C0G1H473J | FK11C0G1H473J |
| COG | 68000pF | ±5% | 50 | FK20C0G1H683J | FK11C0G1H683J |
| C0G | 0.1μF | ±5% | 50 | FK20C0G1H104J | FK11C0G1H104J |

FK22 TYPE

SHAPES AND DIMENSIONS



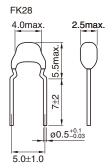
RATED VOLTAGE Edc: 50V

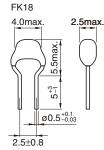
| Temperature | Canacitanas | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|--|
| characteristics | Capacitance | idierance | Edc(V) | FK22 type | |
| C0G | 0.15μF | ±5% | 50 | FK22C0G1H154J | |
| C0G | 0.22µF | ±5% | 50 | FK22C0G1H224J | |



CAPACITANCE RANGES: CLASS 2 (TEMPERATURE STABLE) **FK28 AND FK18 TYPES**







Dimensions in mm

| characteristics X7R | Capacitance | | | | |
|------------------------|-------------|-----------|--------|---------------|---------------|
| VZD | | Tolerance | Edc(V) | FK28 type | FK18 type |
| Λ/Π | 1000pF | ±10% | 50 | FK28X7R1H102K | FK18X7R1H102K |
| X7R | 1500pF | ±10% | 50 | FK28X7R1H152K | FK18X7R1H152K |
| X7R | 2200pF | ±10% | 50 | FK28X7R1H222K | FK18X7R1H222K |
| X7R | 3300pF | ±10% | 50 | FK28X7R1H332K | FK18X7R1H332K |
| X7R | 4700pF | ±10% | 50 | FK28X7R1H472K | FK18X7R1H472K |
| X7R | 6800pF | ±10% | 50 | FK28X7R1H682K | FK18X7R1H682K |
| X7R | 10000pF | ±10% | 50 | FK28X7R1H103K | FK18X7R1H103K |
| X7R | 15000pF | ±10% | 50 | FK28X7R1H153K | FK18X7R1H153K |
| X7R | 22000pF | ±10% | 50 | FK28X7R1H223K | FK18X7R1H223K |
| X7R | 33000pF | ±10% | 50 | FK28X7R1H333K | FK18X7R1H333K |
| X7R | 47000pF | ±10% | 50 | FK28X7R1H473K | FK18X7R1H473K |
| X7R | 68000pF | ±10% | 50 | FK28X7R1H683K | FK18X7R1H683K |
| X7R | 0.1µF | ±10% | 50 | FK28X7R1H104K | FK18X7R1H104K |
| X7R | 0.15µF | ±10% | 50 | FK28X7R1H154K | FK18X7R1H154K |
| X7R | 0.22µF | ±10% | 50 | FK28X7R1H224K | FK18X7R1H224K |
| X7R | 0.1µF | ±10% | 25 | FK28X7R1E104K | FK18X7R1E104K |
| X7R | 0.15µF | ±10% | 25 | FK28X7R1E154K | FK18X7R1E154K |
| X7R | 0.22µF | ±10% | 25 | FK28X7R1E224K | FK18X7R1E224K |
| X7R | 0.33µF | ±10% | 25 | FK28X7R1E334K | FK18X7R1E334K |
| X7R | 0.47µF | ±10% | 25 | FK28X7R1E474K | FK18X7R1E474K |
| X7R | 0.68µF | ±10% | 25 | FK28X7R1E684K | FK18X7R1E684K |
| X7R | 1μF | ±10% | 25 | FK28X7R1E105K | FK18X7R1E105K |
| X7R | 0.22µF | ±10% | 16 | FK28X7R1C224K | FK18X7R1C224K |
| X7R | 0.33µF | ±10% | 16 | FK28X7R1C334K | FK18X7R1C334K |
| X7R | 0.47µF | ±10% | 16 | FK28X7R1C474K | FK18X7R1C474K |
| X7R | 0.68µF | ±10% | 16 | FK28X7R1C684K | FK18X7R1C684K |
| X7R | 1μF | ±10% | 16 | FK28X7R1C105K | FK18X7R1C105K |
| X7R | 1.5µF | ±10% | 6.3 | FK28X7R0J155K | FK18X7R0J155K |
| X7R | 2.2µF | ±10% | 6.3 | FK28X7R0J225K | FK18X7R0J225K |
| X5R | 0.22µF | ±10% | 25 | FK28X5R1E224K | FK18X5R1E224K |
| X5R | 0.33μF | ±10% | 25 | FK28X5R1E334K | FK18X5R1E334K |
| X5R | 0.47µF | ±10% | 25 | FK28X5R1E474K | FK18X5R1E474K |
| X5R | 0.68µF | ±10% | 25 | FK28X5R1E684K | FK18X5R1E684K |
| X5R | 1μF | ±10% | 25 | FK28X5R1E105K | FK18X5R1E105K |
| X5R | 0.47µF | ±10% | 16 | FK28X5R1C474K | FK18X5R1C474K |
| X5R | 0.68µF | ±10% | 16 | FK28X5R1C684K | FK18X5R1C684K |
| X5R | 1μF | ±10% | 16 | FK28X5R1C105K | FK18X5R1C105K |
| X5R | 1.5µF | ±10% | 16 | FK28X5R1C155K | FK18X5R1C155K |
| X5R | 2.2µF | ±10% | 16 | FK28X5R1C225K | FK18X5R1C225K |
| X5R | 0.33µF | ±10% | 10 | FK28X5R1A334K | FK18X5R1A334K |
| X5R | 0.47µF | ±10% | 10 | FK28X5R1A474K | FK18X5R1A474K |
| X5R | 0.68µF | ±10% | 10 | FK28X5R1A684K | FK18X5R1A684K |
| X5R | 1μF | ±10% | 10 | FK28X5R1A105K | FK18X5R1A105K |
| X5R | 1.5µF | ±10% | 10 | FK28X5R1A155K | FK18X5R1A155K |
| X5R | 2.2µF | ±10% | 10 | FK28X5R1A225K | FK18X5R1A225K |
| X5R | 3.3µF | ±10% | 10 | FK28X5R1A335K | FK18X5R1A335K |
| X5R | 4.7µF | ±10% | 10 | FK28X5R1A475K | FK18X5R1A475K |

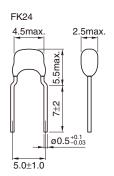
CAPACITORS

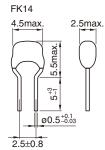


| Temperature | Consolitores | Televenee | Rated voltage | Part No. | | |
|-----------------|--------------|-----------|---------------|---------------|---------------|--|
| characteristics | Capacitance | Tolerance | Edc(V) | FK28 type | FK18 type | |
| X5R | 1μF | ±10% | 6.3 | FK28X5R0J105K | FK18X5R0J105K | |
| X5R | 1.5µF | ±10% | 6.3 | FK28X5R0J155K | FK18X5R0J155K | |
| X5R | 2.2µF | ±10% | 6.3 | FK28X5R0J225K | FK18X5R0J225K | |
| X5R | 3.3µF | ±10% | 6.3 | FK28X5R0J335K | FK18X5R0J335K | |
| X5R | 4.7µF | ±10% | 6.3 | FK28X5R0J475K | FK18X5R0J475K | |
| X5R | 6.8µF | ±10% | 6.3 | FK28X5R0J685K | FK18X5R0J685K | |
| X5R | 10μF | ±20% | 6.3 | FK28X5R0J106M | FK18X5R0J106M | |



FK24 AND FK14 TYPES SHAPES AND DIMENSIONS



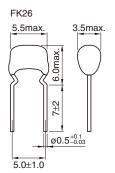


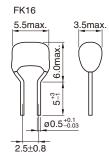
Dimensions in mm

| Temperature | 0 | Talamana | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|------------------|----------------|
| characteristics | Capacitance | Tolerance | Edc(V) | FK24 type | FK14 type |
| X7R | 0.15µF | ±10% | 50 | FK24X7R1H154K | FK14X7R1H154K |
| X7R | 0.22µF | ±10% | 50 | FK24X7R1H224K | FK14X7R1H224K |
| X7R | 0.33µF | ±10% | 50 | FK24X7R1H334K | FK14X7R1H334K |
| X7R | 0.47µF | ±10% | 50 | FK24X7R1H474K | FK14X7R1H474K |
| X7R | 0.68µF | ±10% | 50 | FK24X7R1H684K | FK14X7R1H684K |
| X7R | 1µF | ±10% | 50 | FK24X7R1H105K | FK14X7R1H105K |
| X7R | 0.47µF | ±10% | 25 | FK24X7R1E474K | FK14X7R1E474K |
| X7R | 0.68µF | ±10% | 25 | FK24X7R1E684K | FK14X7R1E684K |
| X7R | 1μF | ±10% | 25 | FK24X7R1E105K | FK14X7R1E105K |
| X7R | 1.5µF | ±10% | 25 | FK24X7R1E155K | FK14X7R1E155K |
| X7R | 2.2µF | ±10% | 25 | FK24X7R1E225K | FK14X7R1E225K |
| X7R | 3.3µF | ±10% | 25 | FK24X7R1E335K | FK14X7R1E335K |
| X7R | 4.7µF | ±10% | 25 | FK24X7R1E475K | FK14X7R1E475K |
| X7R | 0.68µF | ±10% | 16 | FK24X7R1C684K | FK14X7R1C684K |
| X7R | 1µF | ±10% | 16 | FK24X7R1C105K | FK14X7R1C105K |
| X7R | 1.5µF | ±10% | 16 | FK24X7R1C155K | FK14X7R1C155K |
| X7R | 2.2µF | ±10% | 16 | FK24X7R1C225K | FK14X7R1C225K |
| X7R | 3.3µF | ±10% | 16 | FK24X7R1C335K | FK14X7R1C335K |
| X7R | 4.7µF | ±10% | 16 | FK24X7R1C475K | FK14X7R1C475K |
| X7R | 6.8µF | ±10% | 6.3 | FK24X7R0J685K | FK14X7R0J685K |
| X7R | 10µF | ±10% | 6.3 | FK24X7R0J106K | FK14X7R0J106K |
| X5R | 0.68µF | ±10% | 25 | FK24X5R1E684K | FK14X5R1E684K |
| X5R | 1μF | ±10% | 25 | FK24X5R1E105K | FK14X5R1E105K |
| X5R | 1.5µF | ±10% | 25 | FK24X5R1E155K | FK14X5R1E155K |
| X5R | 2.2µF | ±10% | 25 | FK24X5R1E225K | FK14X5R1E225K |
| X5R | 3.3µF | ±10% | 25 | FK24X5R1E335K | FK14X5R1E335K |
| X5R | 4.7μF | ±10% | 25 | FK24X5R1E475K | FK14X5R1E475K |
| X5R | 1µF | ±10% | 16 | FK24X5R1C105K | FK14X5R1C105K |
| X5R | 1.5µF | ±10% | 16 | FK24X5R1C155K | FK14X5R1C155K |
| X5R | 2.2µF | ±10% | 16 | FK24X5R1C225K | FK14X5R1C225K |
| X5R | 3.3µF | ±10% | 16 | FK24X5R1C335K | FK14X5R1C335K |
| X5R | 4.7µF | ±10% | 16 | FK24X5R1C475K | FK14X5R1C475K |
| X5R | 10µF | ±10% | 16 | FK24X5R1C106K | FK14X5R1C106K |
| X5R | 1.5µF | ±10% | 10 | FK24X5R1A155K | FK14X5R1A155K |
| X5R | 2.2µF | ±10% | 10 | FK24X5R1A225K | FK14X5R1A225K |
| X5R | 3.3µF | ±10% | 10 | FK24X5R1A335K | FK14X5R1A335K |
| X5R | 4.7µF | ±10% | 10 | FK24X5R1A475K | FK14X5R1A475K |
| X5R | 6.8µF | ±10% | 10 | FK24X5R1A685K | FK14X5R1A685K |
| X5R | 10µF | ±10% | 10 | FK24X5R1A106K | FK14X5R1A106K |
| X5R | 4.7µF | ±10% | 6.3 | FK24X5R0J475K | FK14X5R0J475K |
| X5R | 6.8µF | ±10% | 6.3 | FK24X5R0J685K | FK14X5R0J685K |
| X5R | 10µF | ±10% | 6.3 | FK24X5R0J106K | FK14X5R0J106K |
| X5R | 15µF | ±20% | 6.3 | FK24X5R0J156M | FK14X5R0J156M |
| X5R | 22µF | ±20% | 6.3 | FK24X5R0J226M | FK14X5R0J226M |
| | p· | ±=0 /0 | 0.0 | TILL INCTIOULLUM | TITTIONIOUZZOW |



FK26 AND FK16 TYPES SHAPES AND DIMENSIONS



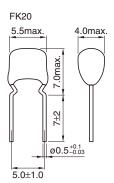


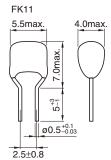
Dimensions in mm

| Temperature | Consoitance | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|---------------|
| characteristics | Capacitance | roierance | Edc(V) | FK26 type | FK16 type |
| X7R | 0.47μF | ±10% | 50 | FK26X7R1H474K | FK16X7R1H474K |
| X7R | 0.68μF | ±10% | 50 | FK26X7R1H684K | FK16X7R1H684K |
| X7R | 1μF | ±10% | 50 | FK26X7R1H105K | FK16X7R1H105K |
| X7R | 1.5µF | ±10% | 50 | FK26X7R1H155K | FK16X7R1H155K |
| X7R | 2.2µF | ±10% | 50 | FK26X7R1H225K | FK16X7R1H225K |
| X7R | 0.68µF | ±10% | 25 | FK26X7R1E684K | FK16X7R1E684K |
| X7R | 1μF | ±10% | 25 | FK26X7R1E105K | FK16X7R1E105K |
| X7R | 1.5µF | ±10% | 25 | FK26X7R1E155K | FK16X7R1E155K |
| X7R | 2.2µF | ±10% | 25 | FK26X7R1E225K | FK16X7R1E225K |
| X7R | 3.3µF | ±10% | 25 | FK26X7R1E335K | FK16X7R1E335K |
| X7R | 4.7µF | ±10% | 25 | FK26X7R1E475K | FK16X7R1E475K |
| X7R | 6.8µF | ±10% | 25 | FK26X7R1E685K | FK16X7R1E685K |
| X7R | 10μF | ±10% | 25 | FK26X7R1E106K | FK16X7R1E106K |
| X7R | 3.3µF | ±10% | 16 | FK26X7R1C335K | FK16X7R1C335K |
| X7R | 4.7µF | ±10% | 16 | FK26X7R1C475K | FK16X7R1C475K |
| X7R | 6.8µF | ±10% | 16 | FK26X7R1C685K | FK16X7R1C685K |
| X7R | 10μF | ±10% | 16 | FK26X7R1C106K | FK16X7R1C106K |
| X5R | 1µF | ±10% | 50 | FK26X5R1H105K | FK16X5R1H105K |
| X5R | 1.5µF | ±10% | 25 | FK26X5R1E155K | FK16X5R1E155K |
| X5R | 2.2µF | ±10% | 25 | FK26X5R1E225K | FK16X5R1E225K |
| X5R | 3.3µF | ±10% | 25 | FK26X5R1E335K | FK16X5R1E335K |
| X5R | 4.7µF | ±10% | 25 | FK26X5R1E475K | FK16X5R1E475K |
| X5R | 3.3µF | ±10% | 16 | FK26X5R1C335K | FK16X5R1C335K |
| X5R | 4.7µF | ±10% | 16 | FK26X5R1C475K | FK16X5R1C475K |
| K5R | 6.8µF | ±10% | 16 | FK26X5R1C685K | FK16X5R1C685K |
| K5R | 10μF | ±10% | 16 | FK26X5R1C106K | FK16X5R1C106K |
| K5R | 6.8µF | ±10% | 10 | FK26X5R1A685K | FK16X5R1A685K |
| (5R | 10µF | ±10% | 10 | FK26X5R1A106K | FK16X5R1A106K |
| K5R | 6.8µF | ±10% | 6.3 | FK26X5R0J685K | FK16X5R0J685K |
| K5R | 10µF | ±10% | 6.3 | FK26X5R0J106K | FK16X5R0J106K |
| X5R | 15µF | ±20% | 6.3 | FK26X5R0J156M | FK16X5R0J156M |
| X5R | 22µF | ±20% | 6.3 | FK26X5R0J226M | FK16X5R0J226M |
| X5R | 33µF | ±20% | 6.3 | FK26X5R0J336M | FK16X5R0J336M |
| X5R | 47μF | ±20% | 6.3 | FK26X5R0J476M | FK16X5R0J476M |



FK20 AND FK11 TYPES SHAPES AND DIMENSIONS



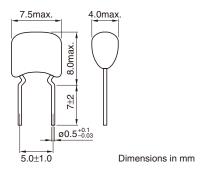


Dimensions in mm

| Temperature | Consoitones | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|---------------|
| characteristics | Capacitance | roierance | Edc(V) | FK20 type | FK11 type |
| X7R | 0.68µF | ±10% | 50 | FK20X7R1H684K | FK11X7R1H684K |
| X7R | 1µF | ±10% | 50 | FK20X7R1H105K | FK11X7R1H105K |
| (7R | 1.5µF | ±10% | 50 | FK20X7R1H155K | FK11X7R1H155K |
| K7R | 2.2µF | ±10% | 50 | FK20X7R1H225K | FK11X7R1H225K |
| K7R | 3.3µF | ±10% | 50 | FK20X7R1H335K | FK11X7R1H335K |
| (7R | 4.7µF | ±10% | 50 | FK20X7R1H475K | FK11X7R1H475K |
| (7R | 2.2µF | ±10% | 25 | FK20X7R1E225K | FK11X7R1E225K |
| (7R | 3.3µF | ±10% | 25 | FK20X7R1E335K | FK11X7R1E335K |
| (7R | 4.7μF | ±10% | 25 | FK20X7R1E475K | FK11X7R1E475K |
| (7R | 6.8µF | ±10% | 25 | FK20X7R1E685K | FK11X7R1E685K |
| (7R | 10μF | ±10% | 25 | FK20X7R1E106K | FK11X7R1E106K |
| (7R | 10μF | ±10% | 16 | FK20X7R1C106K | FK11X7R1C106K |
| (7R | 15µF | ±20% | 16 | FK20X7R1C156M | FK11X7R1C156M |
| 7R | 22µF | ±20% | 16 | FK20X7R1C226M | FK11X7R1C226M |
| 7R | 22µF | ±20% | 10 | FK20X7R1A226M | FK11X7R1A226M |
| (5R | 2.2µF | ±10% | 50 | FK20X5R1H225K | FK11X5R1H225K |
| (5R | 3.3µF | ±10% | 50 | FK20X5R1H335K | FK11X5R1H335K |
| (5R | 4.7μF | ±10% | 25 | FK20X5R1E475K | FK11X5R1E475K |
| (5R | 6.8µF | ±10% | 25 | FK20X5R1E685K | FK11X5R1E685K |
| (5R | 10μF | ±10% | 25 | FK20X5R1E106K | FK11X5R1E106K |
| (5R | 10μF | ±10% | 16 | FK20X5R1C106K | FK11X5R1C106K |
| (5R | 15µF | ±20% | 16 | FK20X5R1C156M | FK11X5R1C156M |
| (5R | 22µF | ±20% | 16 | FK20X5R1C226M | FK11X5R1C226M |
| (5R | 15μF | ±20% | 10 | FK20X5R1A156M | FK11X5R1A156M |
| (5R | 22µF | ±20% | 10 | FK20X5R1A226M | FK11X5R1A226M |
| (5R | 22µF | ±20% | 6.3 | FK20X5R0J226M | FK11X5R0J226M |
| (5R | 33µF | ±20% | 6.3 | FK20X5R0J336M | FK11X5R0J336M |
| (5R | 47µF | ±20% | 6.3 | FK20X5R0J476M | FK11X5R0J476M |
| (5R | 68µF | ±20% | 6.3 | FK20X5R0J686M | FK11X5R0J686M |
| (5R | 100μF | ±20% | 6.3 | FK20X5R0J107M | FK11X5R0J107M |
| (7S | 4.7µF | ±10% | 50 | FK20X7S1H475K | FK11X7S1H475K |
| (7S | 6.8µF | ±10% | 50 | FK20X7S1H685K | FK11X7S1H685K |
| (7S | 10μF | ±10% | 50 | FK20X7S1H106K | FK11X7S1H106K |



FK22 TYPE SHAPES AND DIMENSIONS

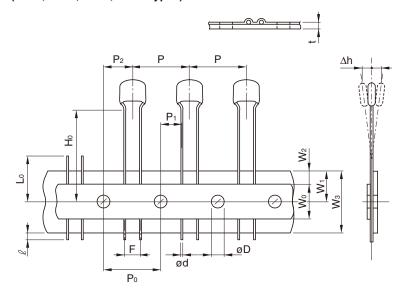


| Temperature | Capacitance | Talavanaa | Rated voltage | Part No. |
|-----------------|-------------|-----------|---------------|---------------|
| characteristics | (pF) | Tolerance | Edc(V) | FK22 type |
| X7R | 1.5μF | ±10% | 50 | FK22X7R1H155K |
| X7R | 2.2µF | ±10% | 50 | FK22X7R1H225K |
| X7R | 3.3µF | ±10% | 50 | FK22X7R1H335K |
| X7R | 4.7μF | ±10% | 50 | FK22X7R1H475K |
| X7R | 6.8µF | ±10% | 50 | FK22X7R1H685K |
| X7R | 4.7μF | ±10% | 25 | FK22X7R1E475K |
| X7R | 6.8µF | ±10% | 25 | FK22X7R1E685K |
| X7R | 10μF | ±10% | 25 | FK22X7R1E106K |
| X7R | 15μF | ±20% | 25 | FK22X7R1E156M |
| X7R | 22µF | ±20% | 25 | FK22X7R1E226M |
| X7R | 15μF | ±20% | 16 | FK22X7R1C156M |
| X7R | 22µF | ±20% | 16 | FK22X7R1C226M |
| X7R | 33µF | ±20% | 16 | FK22X7R1C336M |
| X5R | 4.7μF | ±10% | 50 | FK22X5R1H475K |
| X5R | 6.8µF | ±10% | 50 | FK22X5R1H685K |
| X5R | 15μF | ±20% | 25 | FK22X5R1E156M |
| X5R | 22μF | ±20% | 25 | FK22X5R1E226M |
| X5R | 33µF | ±20% | 16 | FK22X5R1C336M |
| X5R | 33µF | ±20% | 10 | FK22X5R1A336M |
| X5R | 47μF | ±20% | 10 | FK22X5R1A476M |
| X5R | 68µF | ±20% | 6.3 | FK22X5R0J686M |
| X5R | 100μF | ±20% | 6.3 | FK22X5R0J107M |

 $[\]bullet$ For more information about products with other capacitance or other data, please contact us.



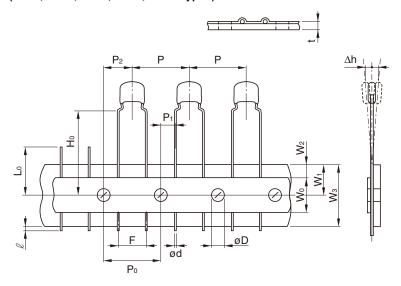
PACKAGING STYLES
TAPING DIMENSIONS
FK1 Series
(FK18, FK14, FK16, FK11 Types)



| Symbol | Dimensions (mm) |
|----------------|-----------------|
| Р | 12.7±1.0 |
| Po*1 | 12.7±0.3 |
| P ₁ | 5.1±0.7 |
| P ₂ | 6.35±1.3 |
| W ₀ | 12.0±1.0 |
| W ₁ | 9.0±0.5 |
| W2*2 | 3.0max. |
| Wз | 18.0+1.0, -0.5 |
| H ₀ | 16.0±0.5 |
| l t | 1.0max. |
| t | 0.6±0.2 |
| Lo*3 | 11.0max. |
| F | 2.5+0.5, -0.2 |
| ød | ø0.5+0.1, −0.03 |
| øD | ø4.0±0.2 |
| Δh | 0±2 |
| | |

- *1 Accumulated pitch tolerance shall be ±2mm for 20 pitches.
- *2 Adhesive tape shall not stick out from carrier tape.
- *3 The number of consecutive gaps in the product shall be three or less.

FK2 Series (FK28, FK24, FK26, FK20, FK22 Types)



| Symbol | Dimensions (mm) |
|----------------|-----------------|
| Р | 12.7±1.0 |
| Po*1 | 12.7±0.3 |
| P ₁ | 3.85±0.7 |
| P ₂ | 6.35±1.3 |
| Wo | 12.0±1.0 |
| W ₁ | 9.0±0.5 |
| W2*2 | 3.0max. |
| Wз | 18.0+1.0, -0.5 |
| H ₀ | 16.0±0.5 |
| l t | 1.0max. |
| t | 0.6±0.2 |
| Lo*3 | 11.0max. |
| F | 5.0+0.8, -0.2 |
| ød | ø0.5+0.1, −0.03 |
| øD | ø4.0±0.2 |
| Δh | 0±2 |
| | |

- *1 Accumulated pitch tolerance shall be ±2mm for 20 pitches.
- *2 Adhesive tape shall not stick out from carrier tape.
- *3 The number of consecutive gaps in the product shall be three or less.

PACKAGING QUANTITIES

| Туре | Quantity |
|------------|-------------------|
| FK28, FK18 | |
| FK24, FK14 | 2000 pieces/1box |
| FK26, FK16 | |
| FK20, FK11 | 1500 pieces/1box |
| FK22 | 1500 pieces/ fbox |



Capacitor with Multi-layer Lead

Product compatible with RoHS directive

Commercial Grade

Overview of the FK Mid Voltage (100 to 630V) Series

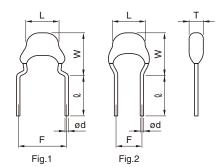
FEATURES

- The capacitors adopts the unique structure designed by TDK for high voltage applications, realizing a high withstand voltage despite being small in size.
- Rated voltage Edc: 100, 200, and 630V.
- The leads are formed with a "kink" to achieve consistent insertion heights and facilitate the release of gases during soldering for dramatically improved solderability.
- Taping specifications are available for automatic insertions, which contribute to reduce on-board costs.

PRODUCT IDENTIFICATION

 $\frac{FK}{(1)} \frac{28}{(2)} \frac{X7R}{(3)} \frac{2A}{(4)} \frac{102}{(5)} \frac{K}{(6)} \frac{\Box \Box \Box}{(7)}$

- (1) Series name
- (2) Dimensions and shapes of lead wire



Dimensions in mm

| Type | L max. | W max. | T max. | F | Q | ød | Fig |
|------|--------|--------|--------|---------|---------|----------------|-----|
| 28 | 4.0 | 5.5 | 2.5 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 24 | 4.5 | 5.5 | 2.5 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 26 | 5.5 | 6.0 | 3.5 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 20 | 5.5 | 7.0 | 4.0 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 22 | 7.5 | 8.0 | 4.0 | 5.0±1.0 | 7±2 | 0.5+0.1,-0.03 | 1 |
| 18 | 4.0 | 5.5 | 2.5 | 2.5±0.8 | 5+3,-1 | 0.5+0.1,-0.03 | 2 |
| 14 | 4.5 | 5.5 | 2.5 | 2.5±0.8 | 5+3,-1 | 0.5+0.1,-0.03 | 2 |
| 16 | 5.5 | 6.0 | 3.5 | 2.5±0.8 | 5+3, -1 | 0.5+0.1, -0.03 | 2 |
| 11 | 5.5 | 7.0 | 4.0 | 2.5±0.8 | 5+3, -1 | 0.5+0.1, -0.03 | 2 |

(3) Capacitance temperature characteristics

Class 1 (Temperature compensation)

| Temperature characteristics | Capacitance change | Temperature range |
|-----------------------------|--------------------|-------------------|
| C0G | 0±30ppm/°C | −55 to +125°C |

Class 2 (Temperature stable and general purpose)

| Temperature characteristics | Capacitance change | Temperature range |
|-----------------------------|--------------------|-------------------|
| X7R | ±15% | −55 to +125°C |
| X7S | ±22% | –55 to +125°C |

(4) Rated voltage Edc

| 2A | 100V | |
|----|------|--|
| 2E | 250V | |
| 2J | 630V | |

(5) Nominal capacitance

The capacitance is expressed in three digit codes and in units of pico farads (pF).

The first and second digits identify the first and second significant figures of the capacitance.

The third digit identifies the multiplier.

| 102 | 1,000pF | |
|-----|-----------|--|
| 333 | 33,000pF | |
| 474 | 470,000pF | |

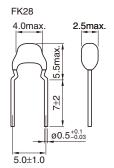
(6) Capacitance tolerance

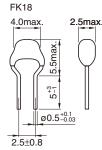
| Symbol | Tolerance | |
|--------|-----------|--|
| J | ±5% | |
| K | ±10% | |

(7) TDK internal code



CAPACITANCE RANGES: CLASS 1 (TEMPERATURE COMPENSATION) FK28 AND FK18 TYPES SHAPES AND DIMENSIONS





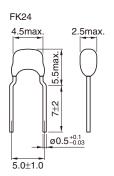
Dimensions in mm

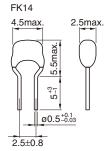
RATED VOLTAGE Edc: 100 to 250V

| Temperature | Canaaitanaa | Talayanaa | Rated voltage | Part No. | | |
|-----------------|-------------|-----------|---------------|---------------|---------------|--|
| characteristics | Capacitance | Tolerance | Edc(V) | FK28 type | FK18 type | |
| C0G | 100pF | ±5% | 100 | FK28C0G2A101J | FK18C0G2A101J | |
| C0G | 120pF | ±5% | 100 | FK28C0G2A121J | FK18C0G2A121J | |
| C0G | 150pF | ±5% | 100 | FK28C0G2A151J | FK18C0G2A151J | |
| C0G | 180pF | ±5% | 100 | FK28C0G2A181J | FK18C0G2A181J | |
| C0G | 220pF | ±5% | 100 | FK28C0G2A221J | FK18C0G2A221J | |
| C0G | 270pF | ±5% | 100 | FK28C0G2A271J | FK18C0G2A271J | |
| C0G | 330pF | ±5% | 100 | FK28C0G2A331J | FK18C0G2A331J | |
| C0G | 390pF | ±5% | 100 | FK28C0G2A391J | FK18C0G2A391J | |
| C0G | 470pF | ±5% | 100 | FK28C0G2A471J | FK18C0G2A471J | |
| C0G | 560pF | ±5% | 100 | FK28C0G2A561J | FK18C0G2A561J | |
| C0G | 680pF | ±5% | 100 | FK28C0G2A681J | FK18C0G2A681J | |
| C0G | 820pF | ±5% | 100 | FK28C0G2A821J | FK18C0G2A821J | |
| C0G | 1000pF | ±5% | 100 | FK28C0G2A102J | FK18C0G2A102J | |
| C0G | 1200pF | ±5% | 100 | FK28C0G2A122J | FK18C0G2A122J | |
| C0G | 100pF | ±5% | 250 | FK28C0G2E101J | FK18C0G2E101J | |
| C0G | 120pF | ±5% | 250 | FK28C0G2E121J | FK18C0G2E121J | |
| C0G | 150pF | ±5% | 250 | FK28C0G2E151J | FK18C0G2E151J | |
| C0G | 180pF | ±5% | 250 | FK28C0G2E181J | FK18C0G2E181J | |
| C0G | 220pF | ±5% | 250 | FK28C0G2E221J | FK18C0G2E221J | |
| C0G | 270pF | ±5% | 250 | FK28C0G2E271J | FK18C0G2E271J | |
| C0G | 330pF | ±5% | 250 | FK28C0G2E331J | FK18C0G2E331J | |
| C0G | 390pF | ±5% | 250 | FK28C0G2E391J | FK18C0G2E391J | |
| C0G | 470pF | ±5% | 250 | FK28C0G2E471J | FK18C0G2E471J | |
| C0G | 560pF | ±5% | 250 | FK28C0G2E561J | FK18C0G2E561J | |
| C0G | 680pF | ±5% | 250 | FK28C0G2E681J | FK18C0G2E681J | |



FK24 AND FK14 TYPES SHAPES AND DIMENSIONS





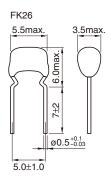
Dimensions in mm

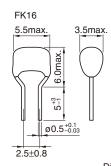
RATED VOLTAGE Edc: 100 to 250V

| Temperature Conscitores | | Rated voltage | Rated voltage | Part No. | |
|-------------------------|-------------|---------------|---------------|---------------|---------------|
| characteristics | Capacitance | Tolerance | Edc(V) | FK24 type | FK14 type |
| C0G | 1000pF | ±5% | 100 | FK24C0G2A102J | FK14C0G2A102J |
| C0G | 1200pF | ±5% | 100 | FK24C0G2A122J | FK14C0G2A122J |
| C0G | 1500pF | ±5% | 100 | FK24C0G2A152J | FK14C0G2A152J |
| C0G | 1800pF | ±5% | 100 | FK24C0G2A182J | FK14C0G2A182J |
| C0G | 2200pF | ±5% | 100 | FK24C0G2A222J | FK14C0G2A222J |
| C0G | 2700pF | ±5% | 100 | FK24C0G2A272J | FK14C0G2A272J |
| C0G | 3300pF | ±5% | 100 | FK24C0G2A332J | FK14C0G2A332J |
| C0G | 3900pF | ±5% | 100 | FK24C0G2A392J | FK14C0G2A392J |
| C0G | 4700pF | ±5% | 100 | FK24C0G2A472J | FK14C0G2A472J |
| C0G | 820pF | ±5% | 250 | FK24C0G2E821J | FK14C0G2E821J |
| C0G | 1000pF | ±5% | 250 | FK24C0G2E102J | FK14C0G2E102J |
| C0G | 1200pF | ±5% | 250 | FK24C0G2E122J | FK14C0G2E122J |
| C0G | 1500pF | ±5% | 250 | FK24C0G2E152J | FK14C0G2E152J |
| C0G | 1800pF | ±5% | 250 | FK24C0G2E182J | FK14C0G2E182J |
| C0G | 2200pF | ±5% | 250 | FK24C0G2E222J | FK14C0G2E222J |
| C0G | 2700pF | ±5% | 250 | FK24C0G2E272J | FK14C0G2E272J |



FK26 AND FK16 TYPES SHAPES AND DIMENSIONS





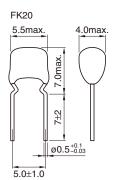
Dimensions in mm

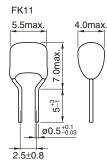
RATED VOLTAGE Edc: 100 to 630V

| Temperature | Canacitanas | Capacitance Tolerance | Rated voltage | Part No. | | |
|-----------------|-------------|-----------------------|---------------|---------------|---------------|--|
| characteristics | Capacitance | roierance | Edc(V) | FK26 type | FK16 type | |
| C0G | 3900pF | ±5% | 100 | FK26C0G2A392J | FK16C0G2A392J | |
| C0G | 4700pF | ±5% | 100 | FK26C0G2A472J | FK16C0G2A472J | |
| C0G | 5600pF | ±5% | 100 | FK26C0G2A562J | FK16C0G2A562J | |
| C0G | 6800pF | ±5% | 100 | FK26C0G2A682J | FK16C0G2A682J | |
| C0G | 8200pF | ±5% | 100 | FK26C0G2A822J | FK16C0G2A822J | |
| C0G | 10000pF | ±5% | 100 | FK26C0G2A103J | FK16C0G2A103J | |
| C0G | 3300pF | ±5% | 250 | FK26C0G2E332J | | |
| C0G | 3900pF | ±5% | 250 | FK26C0G2E392J | | |
| C0G | 4700pF | ±5% | 250 | FK26C0G2E472J | | |
| C0G | 5600pF | ±5% | 250 | FK26C0G2E562J | | |
| C0G | 6800pF | ±5% | 250 | FK26C0G2E682J | | |
| C0G | 8200pF | ±5% | 250 | FK26C0G2E822J | | |
| C0G | 100pF | ±5% | 630 | FK26C0G2J101J | | |
| C0G | 120pF | ±5% | 630 | FK26C0G2J121J | | |
| C0G | 150pF | ±5% | 630 | FK26C0G2J151J | | |
| C0G | 180pF | ±5% | 630 | FK26C0G2J181J | | |
| C0G | 220pF | ±5% | 630 | FK26C0G2J221J | | |
| C0G | 270pF | ±5% | 630 | FK26C0G2J271J | | |
| C0G | 330pF | ±5% | 630 | FK26C0G2J331J | | |
| C0G | 390pF | ±5% | 630 | FK26C0G2J391J | | |
| C0G | 470pF | ±5% | 630 | FK26C0G2J471J | | |
| C0G | 560pF | ±5% | 630 | FK26C0G2J561J | | |
| C0G | 680pF | ±5% | 630 | FK26C0G2J681J | | |
| C0G | 820pF | ±5% | 630 | FK26C0G2J821J | | |
| C0G | 1000pF | ±5% | 630 | FK26C0G2J102J | | |
| C0G | 1200pF | ±5% | 630 | FK26C0G2J122J | | |
| C0G | 1500pF | ±5% | 630 | FK26C0G2J152J | | |
| C0G | 1800pF | ±5% | 630 | FK26C0G2J182J | | |
| C0G | 2200pF | ±5% | 630 | FK26C0G2J222J | | |
| C0G | 2700pF | ±5% | 630 | FK26C0G2J272J | | |
| C0G | 3300pF | ±5% | 630 | FK26C0G2J332J | | |



FK20 AND FK11 TYPES SHAPES AND DIMENSIONS



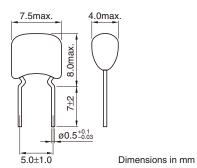


Dimensions in mm

RATED VOLTAGE Edc: 100 to 630V

| Temperature Carcharacteristics | Consoitones | Tolerance | Rated voltage | Part No. | |
|--------------------------------|-------------|-----------|---------------|---------------|---------------|
| | Capacitance | Tolerance | Edc(V) | FK20 type | FK11 type |
| C0G | 15000pF | ±5% | 100 | FK20C0G2A153J | FK11C0G2A153J |
| C0G | 22000pF | ±5% | 100 | FK20C0G2A223J | FK11C0G2A223J |
| C0G | 33000pF | ±5% | 100 | FK20C0G2A333J | FK11C0G2A333J |
| COG | 47000pF | ±5% | 100 | FK20C0G2A473J | FK11C0G2A473J |
| C0G | 10000pF | ±5% | 250 | FK20C0G2E103J | |
| COG | 15000pF | ±5% | 250 | FK20C0G2E153J | |
| C0G | 3900pF | ±5% | 630 | FK20C0G2J392J | |
| C0G | 4700pF | ±5% | 630 | FK20C0G2J472J | |
| C0G | 5600pF | ±5% | 630 | FK20C0G2J562J | |
| C0G | 6800pF | ±5% | 630 | FK20C0G2J682J | |

FK22 TYPE SHAPES AND DIMENSIONS

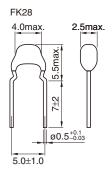


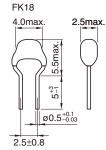
RATED VOLTAGE Edc: 100 to 630V

| Temperature | Consoitenes | T-1 | Rated voltage | Part No. |
|-----------------|-------------------|-----------|---------------|---------------|
| characteristics | stics Capacitance | Tolerance | Edc(V) | FK22 type |
| C0G | 68000pF | ±5% | 100 | FK22C0G2A683J |
| C0G | 0.1μF | ±5% | 100 | FK22C0G2A104J |
| C0G | 22000pF | ±5% | 250 | FK22C0G2E223J |
| C0G | 33000pF | ±5% | 250 | FK22C0G2E333J |
| C0G | 47000pF | ±5% | 250 | FK22C0G2E473J |
| C0G | 8200pF | ±5% | 630 | FK22C0G2J822J |
| C0G | 10000pF | ±5% | 630 | FK22C0G2J103J |
| C0G | 15000pF | ±5% | 630 | FK22C0G2J153J |
| C0G | 22000pF | ±5% | 630 | FK22C0G2J223J |



CAPACITANCE RANGES: CLASS 2 (TEMPERATURE STABLE) FK28 AND FK18 TYPES SHAPES AND DIMENSIONS





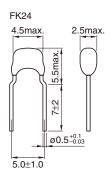
Dimensions in mm

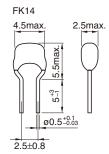
RATED VOLTAGE Edc: 100 to 250V

| Temperature Capacitance | | Tolerance | Rated voltage | Part No. | |
|-------------------------|-----------|-----------|---------------|---------------|---------------|
| characteristics | Tolerance | Edc(V) | FK28 type | FK18 type | |
| X7R | 1000pF | ±10% | 100 | FK28X7R2A102K | FK18X7R2A102K |
| X7R | 1500pF | ±10% | 100 | FK28X7R2A152K | FK18X7R2A152K |
| X7R | 2200pF | ±10% | 100 | FK28X7R2A222K | FK18X7R2A222K |
| X7R | 3300pF | ±10% | 100 | FK28X7R2A332K | FK18X7R2A332K |
| X7R | 4700pF | ±10% | 100 | FK28X7R2A472K | FK18X7R2A472K |
| X7R | 6800pF | ±10% | 100 | FK28X7R2A682K | FK18X7R2A682K |
| X7R | 10000pF | ±10% | 100 | FK28X7R2A103K | FK18X7R2A103K |
| X7R | 15000pF | ±10% | 100 | FK28X7R2A153K | FK18X7R2A153K |
| X7R | 22000pF | ±10% | 100 | FK28X7R2A223K | FK18X7R2A223K |
| X7S | 33000pF | ±10% | 100 | FK28X7S2A333K | FK18X7S2A333K |
| X7S | 47000pF | ±10% | 100 | FK28X7S2A473K | FK18X7S2A473K |
| X7S | 68000pF | ±10% | 100 | FK28X7S2A683K | FK18X7S2A683K |
| X7S | 0.1µF | ±10% | 100 | FK28X7S2A104K | FK18X7S2A104K |



FK24 AND FK14 TYPES SHAPES AND DIMENSIONS





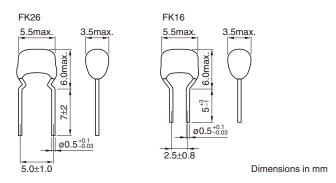
Dimensions in mm

RATED VOLTAGE Edc: 100 to 250V

| Temperature | Capacitance | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|---------------|
| characteristics | Capacitance | iolerance | Edc(V) | FK24 type | FK14 type |
| X7R | 1000pF | ±10% | 100 | FK24X7R2A102K | FK14X7R2A102K |
| X7R | 1500pF | ±10% | 100 | FK24X7R2A152K | FK14X7R2A152K |
| X7R | 2200pF | ±10% | 100 | FK24X7R2A222K | FK14X7R2A222K |
| X7R | 3300pF | ±10% | 100 | FK24X7R2A332K | FK14X7R2A332K |
| X7R | 4700pF | ±10% | 100 | FK24X7R2A472K | FK14X7R2A472K |
| X7R | 6800pF | ±10% | 100 | FK24X7R2A682K | FK14X7R2A682K |
| X7R | 10000pF | ±10% | 100 | FK24X7R2A103K | FK14X7R2A103K |
| X7R | 15000pF | ±10% | 100 | FK24X7R2A153K | FK14X7R2A153K |
| X7R | 22000pF | ±10% | 100 | FK24X7R2A223K | FK14X7R2A223K |
| X7R | 33000pF | ±10% | 100 | FK24X7R2A333K | FK14X7R2A333K |
| X7R | 47000pF | ±10% | 100 | FK24X7R2A473K | FK14X7R2A473K |
| X7R | 68000pF | ±10% | 100 | FK24X7R2A683K | FK14X7R2A683K |
| X7R | 0.1μF | ±10% | 100 | FK24X7R2A104K | FK14X7R2A104K |
| X7S | 0.15μF | ±10% | 100 | FK24X7S2A154K | FK14X7S2A154K |
| X7S | 0.22µF | ±10% | 100 | FK24X7S2A224K | FK14X7S2A224K |
| X7S | 0.33μF | ±10% | 100 | FK24X7S2A334K | FK14X7S2A334K |
| X7S | 0.47μF | ±10% | 100 | FK24X7S2A474K | FK14X7S2A474K |
| X7S | 0.68μF | ±10% | 100 | FK24X7S2A684K | FK14X7S2A684K |
| X7S | 1μF | ±10% | 100 | FK24X7S2A105K | FK14X7S2A105K |
| X7R | 1000pF | ±10% | 250 | FK24X7R2E102K | FK14X7R2E102K |
| X7R | 1500pF | ±10% | 250 | FK24X7R2E152K | FK14X7R2E152K |
| X7R | 2200pF | ±10% | 250 | FK24X7R2E222K | FK14X7R2E222K |
| X7R | 3300pF | ±10% | 250 | FK24X7R2E332K | FK14X7R2E332K |
| X7R | 4700pF | ±10% | 250 | FK24X7R2E472K | FK14X7R2E472K |
| X7R | 6800pF | ±10% | 250 | FK24X7R2E682K | FK14X7R2E682K |
| X7R | 10000pF | ±10% | 250 | FK24X7R2E103K | FK14X7R2E103K |
| X7R | 15000pF | ±10% | 250 | FK24X7R2E153K | FK14X7R2E153K |
| X7R | 22000pF | ±10% | 250 | FK24X7R2E223K | FK14X7R2E223K |
| | r | | | | |



FK26 AND FK16 TYPES SHAPES AND DIMENSIONS

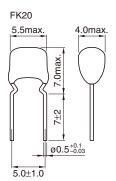


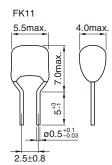
RATED VOLTAGE Edc: 100 to 630V

| Temperature | Capacitance | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|---------------|
| characteristics | Сараспансе | Tolerance | Edc(V) | FK26 type | FK16 type |
| X7R | 33000pF | ±10% | 100 | FK26X7R2A333K | FK16X7R2A333K |
| X7R | 47000pF | ±10% | 100 | FK26X7R2A473K | FK16X7R2A473K |
| X7R | 68000pF | ±10% | 100 | FK26X7R2A683K | FK16X7R2A683K |
| X7R | 0.1µF | ±10% | 100 | FK26X7R2A104K | FK16X7R2A104K |
| X7R | 0.15μF | ±10% | 100 | FK26X7R2A154K | FK16X7R2A154K |
| X7R | 0.22µF | ±10% | 100 | FK26X7R2A224K | FK16X7R2A224K |
| X7R | 0.33μF | ±10% | 100 | FK26X7R2A334K | FK16X7R2A334K |
| X7R | 0.47μF | ±10% | 100 | FK26X7R2A474K | FK16X7R2A474K |
| X7R | 0.68μF | ±10% | 100 | FK26X7R2A684K | FK16X7R2A684K |
| X7R | 1μF | ±10% | 100 | FK26X7R2A105K | FK16X7R2A105K |
| X7S | 1.5µF | ±10% | 100 | FK26X7S2A155K | FK16X7S2A155K |
| X7S | 2.2µF | ±10% | 100 | FK26X7S2A225K | FK16X7S2A225K |
| K7R | 15000pF | ±10% | 250 | FK26X7R2E153K | |
| X7R | 22000pF | ±10% | 250 | FK26X7R2E223K | |
| X7R | 33000pF | ±10% | 250 | FK26X7R2E333K | |
| X7R | 47000pF | ±10% | 250 | FK26X7R2E473K | |
| X7R | 68000pF | ±10% | 250 | FK26X7R2E683K | |
| K7R | 0.1µF | ±10% | 250 | FK26X7R2E104K | |
| K7R | 1000pF | ±10% | 630 | FK26X7R2J102K | |
| (7R | 1500pF | ±10% | 630 | FK26X7R2J152K | |
| (7R | 2200pF | ±10% | 630 | FK26X7R2J222K | |
| K7R | 3300pF | ±10% | 630 | FK26X7R2J332K | |
| X7R | 4700pF | ±10% | 630 | FK26X7R2J472K | |
| K7R | 6800pF | ±10% | 630 | FK26X7R2J682K | |
| (7R | 10000pF | ±10% | 630 | FK26X7R2J103K | |
| X7R | 15000pF | ±10% | 630 | FK26X7R2J153K | |
| X7R | 22000pF | ±10% | 630 | FK26X7R2J223K | |
| X7R | 33000pF | ±10% | 630 | FK26X7R2J333K | |



FK20 AND FK11 TYPES SHAPES AND DIMENSIONS



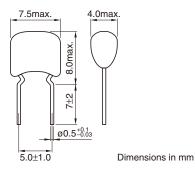


Dimensions in mm

RATED VOLTAGE Edc: 100 to 630V

| Temperature | Consoitones | Tolerance | Rated voltage | Part No. | |
|-----------------|-------------|-----------|---------------|---------------|---------------|
| characteristics | Capacitance | Tolerance | Edc(V) | FK20 type | FK11 type |
| X7R | 0.33μF | ±10% | 100 | FK20X7R2A334K | FK11X7R2A334K |
| X7R | 0.47μF | ±10% | 100 | FK20X7R2A474K | FK11X7R2A474K |
| X7R | 0.68μF | ±10% | 100 | FK20X7R2A684K | FK11X7R2A684K |
| X7R | 1μF | ±10% | 100 | FK20X7R2A105K | FK11X7R2A105K |
| X7R | 1.5µF | ±10% | 100 | FK20X7R2A155K | FK11X7R2A155K |
| X7R | 2.2µF | ±10% | 100 | FK20X7R2A225K | FK11X7R2A225K |
| X7S | 3.3µF | ±10% | 100 | FK20X7S2A335K | FK11X7S2A335K |
| X7S | 4.7μF | ±10% | 100 | FK20X7S2A475K | FK11X7S2A475K |
| X7R | 0.1µF | ±10% | 250 | FK20X7R2E104K | |
| X7R | 0.15μF | ±10% | 250 | FK20X7R2E154K | |
| X7R | 0.22µF | ±10% | 250 | FK20X7R2E224K | |
| X7R | 47000pF | ±10% | 630 | FK20X7R2J473K | |
| X7R | 68000pF | ±10% | 630 | FK20X7R2J683K | |

FK22 TYPE SHAPES AND DIMENSIONS



RATED VOLTAGE Edc: 100 to 630V

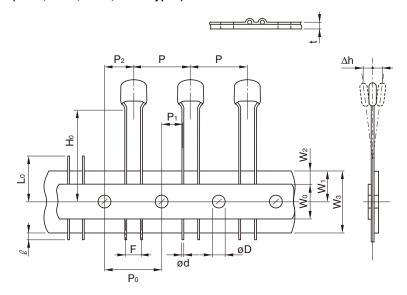
| Temperature | Capacitance | Tolerance | Rated voltage | Part No. |
|-----------------|--------------------------------|-----------|---------------|---------------|
| characteristics | naracteristics Capacitance Tol | roierance | Edc(V) | FK22 type |
| X7R | 0.68µF | ±10% | 100 | FK22X7R2A684K |
| X7R | 1μF | ±10% | 100 | FK22X7R2A105K |
| X7R | 1.5μ F | ±10% | 100 | FK22X7R2A155K |
| X7R | 2.2µF | ±10% | 100 | FK22X7R2A225K |
| X7R | 0.15μF | ±10% | 250 | FK22X7R2E154K |
| X7R | 0.22μF | ±10% | 250 | FK22X7R2E224K |
| X7R | 0.33μF | ±10% | 250 | FK22X7R2E334K |
| X7R | 0.47μF | ±10% | 250 | FK22X7R2E474K |
| X7R | 0.1µF | ±10% | 630 | FK22X7R2J104K |

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.

[•] For more information about products with other capacitance or other data, please contact us.



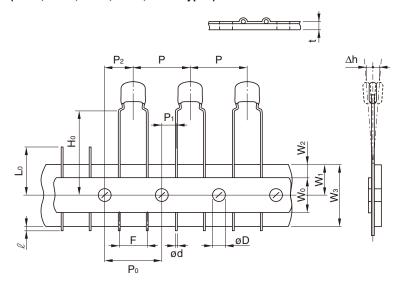
PACKAGING STYLES
TAPING DIMENSIONS
FK1 Series
(FK18, FK14, FK16, FK11 Types)



| Symbol | Dimensions (mm) |
|----------------|-----------------|
| Р | 12.7±1.0 |
| Po*1 | 12.7±0.3 |
| P ₁ | 5.1±0.7 |
| P ₂ | 6.35±1.3 |
| W ₀ | 12.0±1.0 |
| W ₁ | 9.0±0.5 |
| W2*2 | 3.0max. |
| Wз | 18.0+1.0, -0.5 |
| H ₀ | 16.0±0.5 |
| l t | 1.0max. |
| t | 0.6±0.2 |
| Lo*3 | 11.0max. |
| F | 2.5+0.5, -0.2 |
| ød | ø0.5+0.1, −0.03 |
| øD | ø4.0±0.2 |
| Δh | 0±2 |
| | |

- *1 Accumulated pitch tolerance shall be ±2mm for 20 pitches.
- *2 Adhesive tape shall not stick out from carrier tape.
- *3 The number of consecutive gaps in the product shall be three or less.

FK2 Series (FK28, FK24, FK26, FK20, FK22 Types)



| Symbol | Dimensions (mm) |
|----------------|-----------------|
| Р | 12.7±1.0 |
| Po*1 | 12.7±0.3 |
| P ₁ | 3.85±0.7 |
| P ₂ | 6.35±1.3 |
| W ₀ | 12.0±1.0 |
| W ₁ | 9.0±0.5 |
| W2*2 | 3.0max. |
| Wз | 18.0+1.0, -0.5 |
| H ₀ | 16.0±0.5 |
| l t | 1.0max. |
| t | 0.6±0.2 |
| Lo*3 | 11.0max. |
| F | 5.0+0.8, -0.2 |
| ød | ø0.5+0.1, -0.03 |
| øD | ø4.0±0.2 |
| Δh | 0±2 |
| - | |

- *1 Accumulated pitch tolerance shall be ±2mm for 20 pitches.
- *2 Adhesive tape shall not stick out from carrier tape.
- $\ensuremath{^{*3}}$ The number of consecutive gaps in the product shall be three or less.

PACKAGING QUANTITIES

| 2000 pieces/1box | | | |
|------------------|--|--|--|
| | | | |
| 0.4 | | | |
| 1500 pieces/1box | | | |
| | | | |