

It is designed with special pins, which can eliminate the linear displacement caused by the different expansion coefficient of ceramic capacitor and PCB board, solve the solder joint fatigue problem and eliminate the porcelain cracking caused by PCB board bending, and improve the reliability of the product.

— TECHNICAL INFORMATION

1 Application

The products are mainly used in communications, radar, artillery fuze, shipboard and aviation, aerospace, weapon systems and other electronic equipment and civil high-end equipment.

2 Aging Characteristic Of Capacitor

CLASS 2 ceramic capacitors due to medium characteristics, electric capacity will be reduced as the extension of placing time and slow, often called this the "CLASS 2 ceramic capacitor capacitance aging" phenomenon, capacitor aging is predictable, repeatable < can through the capacitor to aging, processing condition: heated to 150 °C/1 h, recovery after 24±2h, Restore capacitor capacity to initial state).

3 Test Conditions

3.1 Electric capacity, loss tangent value test conditions:

(1) Test temperature :25°C±2°C; Test humidity :<70%;

(2) test frequency and voltage:

CLASS 1

$C_R \leq 1000\text{pF}$, The test frequency: 1MHZ±10%; test voltage: 1V±0.2V

$C_R > 1000\text{pF}$, The test frequency: 1KHZ±10%; test voltage: 1V±0.2V

CLASS 2

$C_R \leq 10\mu\text{F}$, The test frequency: 1KHZ±10% ; test voltage: 1V±0.2V

$10\mu\text{F} < C_R < 470\mu\text{F}$ The test frequency: 120HZ±10% ; test voltage: 0.5V±0.2V

Note: after the dielectric voltage resistance or insulation resistance measurement, the capacitance measurement should be carried out after 24 hours of recovery.

(3) Test instrument :HP4284A(open ALC automatic level control function);

(4) Test fixture :HP16047A(applicable to lead products).

3.2 Insulation resistance test conditions:

(1) Test temperature :25°C±2°C; Test humidity :<70%;

(2) Test frequency and voltage:

(3) Test instrument :HP4284A(open ALC automatic level control function);

(4) Test fixture :HP16047A(applicable to lead products).

3.3 Test conditions for dielectric voltage resistance:

Rated voltage: $U_R \leq 250\text{V}$: apply 250% of rated DC voltage

Rated voltage: $250\text{V} < U_R < 1000\text{V}$: apply 150% of rated DC voltage

Rated voltage: $U_R \geq 1000\text{V}$: apply 120% of rated DC voltage

(1) The test voltage rate is 50V/s, and the total voltage boost time is not more than 1min;

(2) Test voltage application time: 5s±1s;

(3) The test voltage application point: between the leading end of the capacitor;

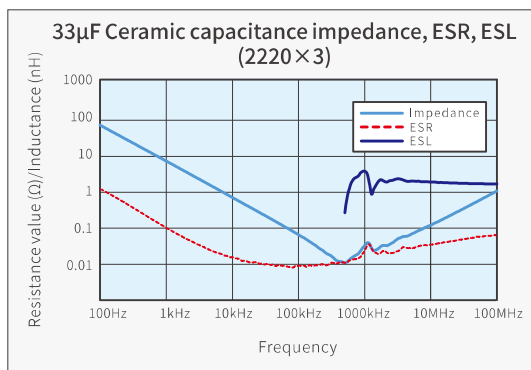
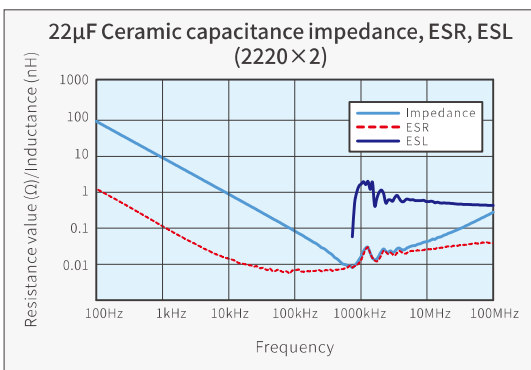
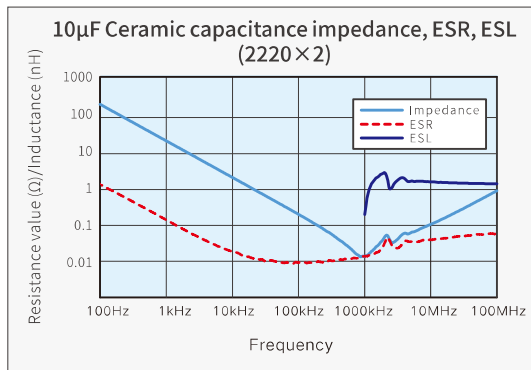
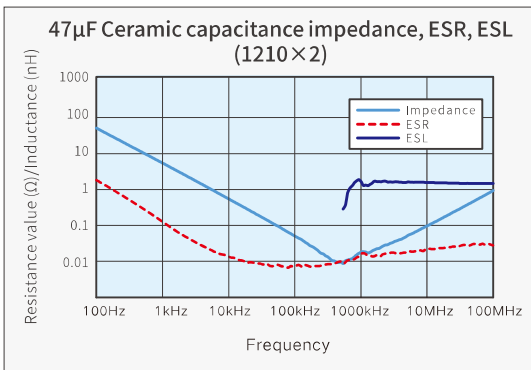
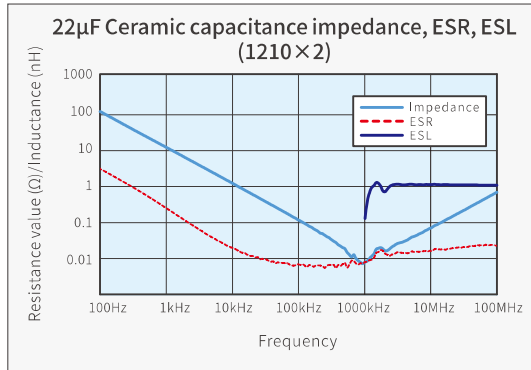
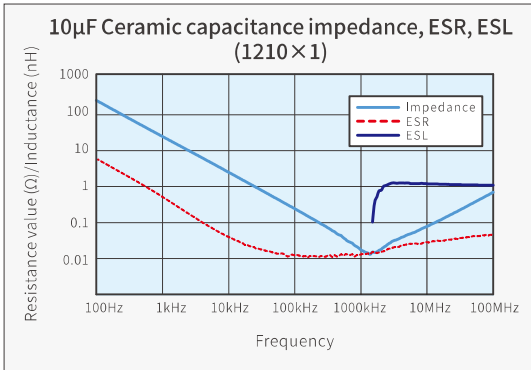
(4) Surge current limit value: should be limited to 50mA;

(5) After the test check: should check whether the capacitor breakdown, damage or arc.

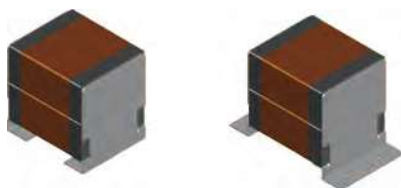
4 Storage Conditions

Capacitor storage environment requirements: temperature of -10°C~40°C, if conditions should be controlled at -5~30°C; Relative humidity less than 70%RH; The surrounding environment is free from corrosive substances such as chlorine and sulfur, and the original packaging of the capacitor is kept to protect the product and can be opened before use. If the storage time exceeds one year, the weldability should be tested again. If the weldability index is qualified, the capacitor can continue to be used.

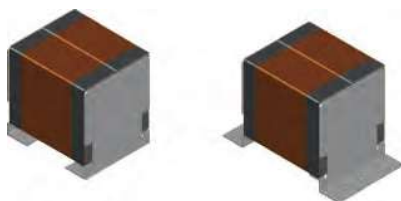
5 Typical curves of impedance,ESR,ESL



6 Structure Diagram



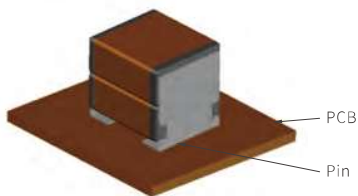
CC4901、CT4901 Outline Diagram



CC4904、CT4904 Outline Diagram

二 INSTALLATION PROCESS

1 Recommended Installation Process

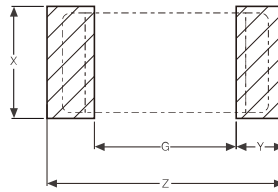


Multilayer ceramic chip capacitor assemblies Welding graphic

Matters needing attention:

- A) The welding surface shall be led downwards;
- B) In order to achieve better plate bending resistance and temperature impact resistance, solder should be reduced into the inner side of the metal pin during welding;
- C) During installation, the electric soldering iron should not directly contact the component base or the heat source of the electric blowtorch should not face the component base;
- D) Secondary disassembly and assembly welding is prohibited.

2 Recommended Pad Size



J type, L type pad design schematic diagram

4901 TYPE: Refluxing pads for horizontally stacked MULTILAYER CERAMIC CHIP CAPACITOR ASSEMBLIES Dimensions (J pin) Unit:mm				
Case size	Zmin	Gmax	Xmin	Y
1206	6.0	1.0	3.0	2.5
1210	6.0	1.0	4.0	2.5
1812	7.0	1.6	5.0	2.7
2220	9.0	2.0	6.8	3.5

4901 TYPE: Refluxing pads for horizontally stacked MULTILAYER CERAMIC CHIP CAPACITOR ASSEMBLIES Dimensions (L pin) Unit:mm				
Case size	Zmin	Gmax	Xmin	Y
1206	8.5	2.5	3.0	3.0
1210	8.5	2.5	4.0	3.0
1812	10	3.5	5.0	3.25
2220	12	5.0	6.8	3.5

4904 TYPE: Refluxing pads for vertically stacked MULTILAYER CERAMIC CHIP CAPACITOR ASSEMBLIES Dimensions (J pin) Unit:mm				
Case size	Z	G	Xmax	Y
1206 × 2	6.0	1.0	4.5	2.5
1210 × 2	6.0	1.0	6.5	2.5
1812 × 2	7.0	1.6	7.0	2.7
2220 × 1	9.0	2.0	4.5	3.5
2220 × 2	9.0	2.0	8.0	3.5
2220 × 3	9.0	2.0	10.0	3.5

4904 TYPE: Refluxing pads for vertically stacked MULTILAYER CERAMIC CHIP CAPACITOR ASSEMBLIES Dimensions (L pin) Unit:mm				
Case size	Z	G	Xmax	Y
1206 × 2	8.5	2.5	4.5	3.0
1210 × 2	8.5	2.5	6.5	3.0
1812 × 2	10	3.5	7.0	3.25
2220 × 1	12	5.0	4.5	3.5
2220 × 2	12	5.0	8.0	3.5
2220 × 3	12	5.0	10.0	3.5

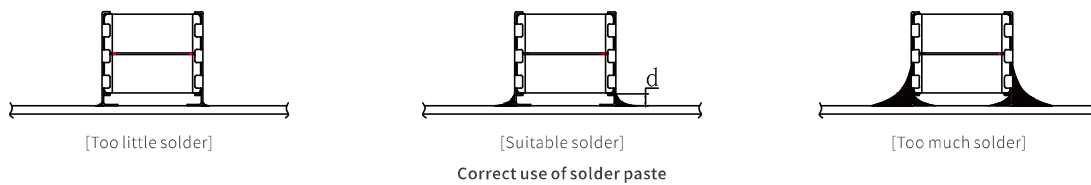
3 Solder paste and solder joint requirements

3.1 Alloy composition of solder paste recommended

- (1) Sn63 / Pb37 (Sn60 / Pb40) solder paste;
- (2) Sn62Pb36Ag2 solder paste;
- (3) The use of tin-bismuth solder is prohibited to prevent the formation of tin-bismuth lead low melting point compound at the leading end of the solder joint, which affects the reliability of the capacitor
- (4) It is forbidden to use Sn63/Pb37(Sn60/Pb40) solder paste to weld the guide band containing Au and Ag and the lead surface coated with Au and Ag.

3.2 Solder joint requirements

- (1) The solder content of the product is moderate, and the best printing paste thickness is (0.20-0.30) mm;
- (2) Solder joint shape should be as shown in Figure 3 below:



4 Optional welding mode

4.1 Current-carrying welding (Reflow welding)

In order to reduce the temperature shock formed by welding, it is necessary to heat each part evenly to ensure the reliability of welding, and take the temperature rise (fall) rate $\leq 4^{\circ}\text{C}/\text{s}$.

The following is the analysis of the setting of each temperature zone:

Preheating zone: to ensure the balanced temperature rise of the printed board, the general setting is from room temperature to $120^{\circ}\text{C}\sim 160^{\circ}\text{C}$ (area < the actual temperature measured by thermocouple), the time is 100s~150s, the heating rate is $1.0^{\circ}\text{C}/\text{s}\sim 2.0^{\circ}\text{C}/\text{s}$.

Heat preservation zone: At this time, volatiles in solder paste are removed and flux is activated. At the end of the heat preservation zone, oxides on pads, solder balls and component pins are removed and the temperature of the whole PCB reaches equilibrium. Temperature: $160^{\circ}\text{C}\sim 180^{\circ}\text{C}$, time: 90s~200s, heating rate: $0.5^{\circ}\text{C}/\text{s}\sim 1^{\circ}\text{C}/\text{s}$.

Reflux zone: the zone where the temperature is higher than the melting point of the solder paste, the metal particles in the solder melt and form the solder spot surface under liquid surface tension. The temperature of reflow zone is generally $20^{\circ}\text{C}\sim 25^{\circ}\text{C}$ higher than the melting point of solder paste. The reflow welding time is 6s~10s; The reflow welding temperature can be $210^{\circ}\text{C}\sim 230^{\circ}\text{C}$, and the heating rate is $1.00^{\circ}\text{C}/\text{s}\sim 3.0^{\circ}\text{C}/\text{s}$.

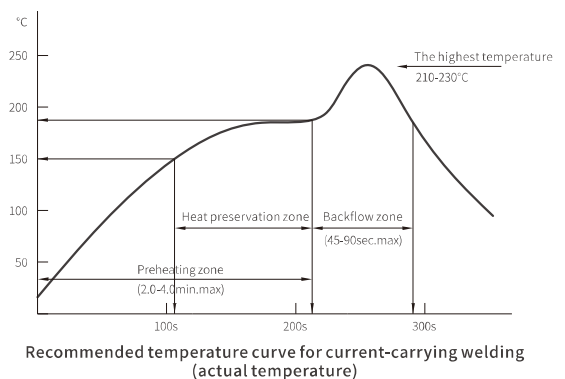
Cooling zone: from the melting point to room temperature area, cooling to about 80°C . Requirements: cooling rate $\leq 4^{\circ}\text{C}/\text{s}$; If the cooling rate is too fast, the components may be damaged due to excessive thermal stress, welding joints crack and other adverse phenomena.

Recommended welding temperature curve:

Special note: the preheating time must be more than 2 minutes, and it is recommended that the temperature rise rate be between 1 and $2^{\circ}\text{C}/\text{s}$. It is recommended to use natural cooling in the cooling stage, and the cooling rate should not exceed $4^{\circ}\text{C}/\text{s}$ at most. Otherwise, the capacitor may be damaged or damaged due to temperature shock (that is, it is easy to cause thermal shock failure).

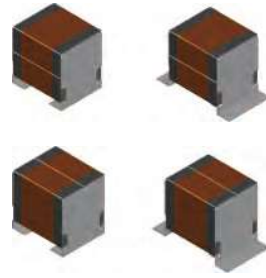
4.2 Manual Welding

When manual welding is used, the power is no more than 50W, the welding temperature is no more than 300°C , and the welding time is no more than 5 seconds. The product must ensure enough preheating temperature and time, it is recommended to preheat on the hot plate platform, which is conducive to the product welding and welding effect. The maximum preheating temperature of the platform is $150^{\circ}\text{C}\sim 170^{\circ}\text{C}$ (adjusted according to the size of the plate and the conditions of the components on the board), and the holding time is more than 2min (the higher the preheating temperature can be reached by the capacitor welding pins, the more conducive to the welding of the product). Natural cooling at room temperature is adopted in the cooling stage.



FEATURES

- ① Compared with the capacitance, aluminum electrolytic capacitor: higher insulation resistance and breakdown voltage, higher reliability;
No polarity, easy installation;
- ② External pin, heat conduction, heat dissipation effect is good, while reducing the impact of bad stress (environmental, mechanical stress), improve the reliability of use.



APPLICATIONS

Suitable for power bus filter, especially high-frequency switching power input/output filter.

ORDERING INFORMATION

CT49	01	BY	630V	105	M	J	2220x2	F
Series	Type	Dielectric	Rated voltage	Capacitance	Capacitance tolerance	Termination finish	Case size	Packaging
CC49: CLASS I	01: Horizontally stacked	CG:(0±30)PPM/°C (-55°C~125°C) BY:±15% (-55°C~125°C)	4V 6.3V 10V 16V 25V 35V	Refer to Capacitance and Rated Voltage Range	K=±10% M=±20%	J L	2220: The chip size x2: 2 layer structure	F=packaging
CT49: CLASS II	04: Vertically stacked	X5R:±15% (-55°C~85°C) X7S:±22% (-55°C~125°C) X7T:-33%~22% (-55°C~125°C)	50V 100V 200V 250V 500V 630V 1kV 2kV 3kV					

ELECTRICAL CHARACTERISTICS

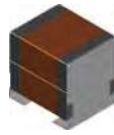
C_R Unit:μF

Characteristics	Dissipation Factor	Dielectric Strength	Insulation Resistance 25°C
CG	tgδ ≤ 0.15%	U _R < 500V 2.5U _R U _R = 500V, 630V 1.5U _R U _R ≥ 1000V 1.2U _R	IR ≥ $\frac{100}{C_R}$ MΩ
BY	U _R ≤ 50V tgδ ≤ 500x10 ⁻⁴ 50V < U _R ≤ 3000V tgδ ≤ 250x10 ⁻⁴		
X7S			
X5R	U _R ≤ 50V tgδ ≤ 1000x10 ⁻⁴ 50V < U _R ≤ 3000V tgδ ≤ 250x10 ⁻⁴		
X7T			

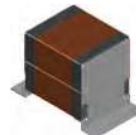
DIMENSIONS

01 type: horizontally stacked

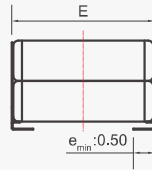
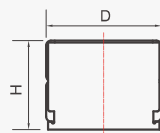
Unit:mm



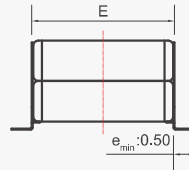
J PIN



L PIN



J PIN



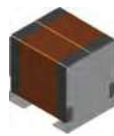
L PIN

Size code	D	E	Hmax
□1206×1	1.80±0.30	3.70±0.40	3.00
□1206×2	1.80±0.30	3.70±0.40	5.00
□1210×1	2.80±0.30	3.70±0.40	4.00
□1210×2	2.80±0.30	3.70±0.40	7.00
□1812×1	3.30±0.40	4.90±0.40	4.50
□1812×2	3.30±0.40	4.90±0.40	8.00
□2220×1	5.10±0.40	6.00±0.50	5.50
□2220×2	5.10±0.40	6.00±0.50	10.00
□2225×1	6.80±0.40	6.00±0.40	5.50
□2225×2	6.80±0.40	6.00±0.40	9.50

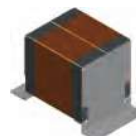
Note: □2220×□
 Number of chips stacked
 The form of the lead terminal: J、L

04 type: vertically stacked

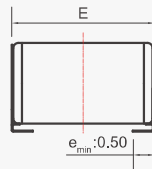
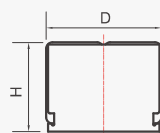
Unit:mm



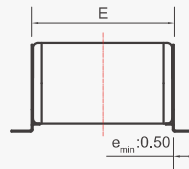
J PIN



L PIN



J PIN



L PIN

Size code	Dmax	E	H
□1206×2	4.00	3.70±0.40	3.00±0.30
□1210×2	6.00	3.70±0.40	3.65±0.30
□1812×2	7.00	4.90±0.40	4.20±0.40
□2220×1	4.50	6.00±0.50	6.00±0.40
□2220×2	9.00	6.00±0.50	6.00±0.40
□2220×3	13.50	6.00±0.50	6.00±0.40
□2225×3	14.00	6.00±0.40	5.50±0.40

Note: □2220×□
 Number of chips stacked
 The form of the lead terminal: J、L

CAPACITANCE AND RATED VOLTAGE RANGE

CC4901

Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1206×1F	CC4901CG50V473 □□ 1206×1F	473	50	CG	J	J、L	(G)、"S"、"J"
1206×1F	CC4901CG50V104 □□ 1206×1F	104	50	CG	J	J、L	(G)、"S"、"J"
1206×1F	CC4901CG100V473 □□ 1206×1F	473	100	CG	J	J、L	(G)、"S"、"J"
1206×1F	CC4901CG500V222 □□ 1206×1F	222	500	CG	J	J、L	(G)、"S"、"J"
1206×2F	CC4901CG50V104K □ 1206×2F	104	50	CG	K	J、L	(G)、"S"、"J"
1206×2F	CC4901CG50V224K □ 1206×2F	224	50	CG	K	J、L	(G)、"S"、"J"
1206×2F	CC4901CG100V104K □ 1206×2F	104	100	CG	K	J、L	(G)、"S"、"J"
1206×2F	CC4901CG500V222K □ 1206×2F	222	500	CG	K	J、L	(G)、"S"、"J"
1210×1F	CC4901CG50V154 □□ 1210×1F	154	50	CG	J	J、L	(G)、"S"、"J"
1210×1F	CC4901CG63V104 □□ 1210×1F	104	63	CG	J	J、L	(G)、"S"、"J"
1210×1F	CC4901CG100V473 □□ 1210×1F	473	100	CG	J	J、L	(G)、"S"、"J"
1210×1F	CC4901CG200V473 □□ 1210×1F	473	200	CG	J	J、L	(G)、"S"、"J"
1210×1F	CC4901CG500V472 □□ 1210×1F	472	500	CG	J	J、L	(G)、"S"、"J"
1210×1F	CC4901CG1kV222 □□ 1210×1F	222	1000	CG	J	J、L	(G)、"S"、"J"
1210×2F	CC4901CG50V334K □ 1210×2F	334	50	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4901CG63V224K □ 1210×2F	224	63	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4901CG100V104K □ 1210×2F	104	100	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4901CG200V104K □ 1210×2F	104	200	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4901CG500V103K □ 1210×2F	103	500	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4901CG1kV472K □ 1210×2F	472	1000	CG	K	J、L	(G)、"S"、"J"
1812×1F	CC4901CG63V104 □□ 1812×1F	104	63	CG	J	J、L	(G)、"S"、"J"
1812×1F	CC4901CG100V104 □□ 1812×1F	104	100	CG	J	J、L	(G)、"S"、"J"
1812×1F	CC4901CG200V104 □□ 1812×1F	104	200	CG	J	J、L	(G)、"S"、"J"
1812×1F	CC4901CG500V103 □□ 1812×1F	103	500	CG	J	J、L	(G)、"S"、"J"
1812×1F	CC4901CG1kV472 □□ 1812×1F	472	1000	CG	J	J、L	(G)、"S"、"J"
1812×2F	CC4901CG63V224K □ 1812×2F	224	63	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4901CG100V224K □ 1812×2F	224	100	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4901CG200V224K □ 1812×2F	224	200	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4901CG500V223K □ 1812×2F	223	500	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4901CG1kV103K □ 1812×2F	103	1000	CG	K	J、L	(G)、"S"、"J"
2220×1F	CC4901CG100V104 □□ 2220×1F	104	100	CG	J	J、L	(G)、"S"、"J"
2220×1F	CC4901CG200V224 □□ 2220×1F	224	200	CG	J	J、L	(G)、"S"、"J"
2220×1F	CC4901CG500V223 □□ 2220×1F	223	500	CG	J	J、L	(G)、"S"、"J"
2220×1F	CC4901CG1kV223 □□ 2220×1F	223	1000	CG	J	J、L	(G)、"S"、"J"
2220×2F	CC4901CG100V224K □ 2220×2F	224	100	CG	K	J、L	(G)、"S"、"J"
2220×2F	CC4901CG500V473K □ 2220×2F	473	500	CG	K	J、L	(G)、"S"、"J"
2220×2F	CC4901CG1kV473K □ 2220×2F	473	1000	CG	K	J、L	(G)、"S"、"J"

└─ Select the outlet form: J/L
└─ Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CC4904


Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1206×1F	CC4904CG500V222k □ 1206×1F	222	500	CG	K	J、L	(G)、"S"、"J"
1206×2F	CC4904CG50V104K □ 1206×2F	104	50	CG	K	J、L	(G)、"S"、"J"
1206×2F	CC4904CG50V224K □ 1206×2F	224	50	CG	K	J、L	(G)、"S"、"J"
1206×2F	CC4904CG100V104K □ 1206×2F	104	100	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4904CG50V334K □ 1210×2F	334	50	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4904CG63V224K □ 1210×2F	224	63	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4904CG100V104K □ 1210×2F	104	100	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4904CG500V103K □ 1210×2F	103	500	CG	K	J、L	(G)、"S"、"J"
1210×2F	CC4904CG1kV472K □ 1210×2F	472	1000	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4904CG63V224K □ 1812×2F	224	63	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4904CG100V224K □ 1812×2F	224	100	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4904CG200V224K □ 1812×2F	224	200	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4904CG500V223k □ 1812×2F	223	500	CG	K	J、L	(G)、"S"、"J"
1812×2F	CC4904CG1kV103K □ 1812×2F	103	1000	CG	K	J、L	(G)、"S"、"J"
2220×2F	CC4904CG500V473K □ 2220×2F	473	500	CG	K	J、L	(G)、"S"、"J"
2220×3F	CC4904CG100V334K □ 2220×3F	334	100	CG	K	J、L	(G)、"S"、"J"
2220×3F	CC4904CG1kV683K □ 2220×3F	683	1000	CG	K	J、L	(G)、"S"、"J"

┌ Select the outlet form: J/L
 └ Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

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Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1206×1F	CT4901X5R6.3V107M □ 1206×1F	107	6.3	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY10V226M □ 1206×1F	226	10	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R10V476M □ 1206×1F	476	10	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R10V107M □ 1206×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R16V226M □ 1206×1F	226	16	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R25V106 □□ 1206×1F	106	25	X5R	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY25V106 □□ 1206×1F	106	25	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R25V226M □ 1206×1F	226	25	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R50V105 □□ 1206×1F	105	50	X5R	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R50V225 □□ 1206×1F	225	50	X5R	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY50V225 □□ 1206×1F	225	50	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R50V475 □□ 1206×1F	475	50	X5R	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R50V106 □□ 1206×1F	106	50	X5R	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY100V104 □□ 1206×1F	104	100	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY250V473 □□ 1206×1F	473	250	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY500V473 □□ 1206×1F	473	500	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY630V103 □□ 1206×1F	103	630	BY	K、M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R6.3V207M □ 1206×2F	207	6.3	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY10V476M □ 1206×2F	476	10	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R10V107M □ 1206×2F	107	10	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R10V207M □ 1206×2F	207	10	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R16V476M □ 1206×2F	476	16	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R25V206M □ 1206×2F	206	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY25V206M □ 1206×2F	206	25	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R25V226M □ 1206×2F	226	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R25V476M □ 1206×2F	476	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R50V225M □ 1206×2F	225	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R50V475M □ 1206×2F	475	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY50V475M □ 1206×2F	475	50	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R50V106M □ 1206×2F	106	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R50V226M □ 1206×2F	226	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY100V224M □ 1206×2F	224	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY250V104M □ 1206×2F	104	250	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY500V104M □ 1206×2F	104	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY630V223M □ 1206×2F	223	630	BY	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R4V227M □ 1210×1F	227	4	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R6.3V107M □ 1210×1F	107	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY10V476M □ 1210×1F	476	10	BY	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R10V107M □ 1210×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7T10V107M □ 1210×1F	107	10	X7T	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY16V226 □□ 1210×1F	226	16	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R16V476M □ 1210×1F	476	16	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R25V226 □□ 1210×1F	226	25	X5R	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY25V226M □ 1210×1F	226	25	BY	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R25V476M □ 1210×1F	476	25	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY50V105 □□ 1210×1F	105	50	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY50V475 □□ 1210×1F	475	50	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY50V106 □□ 1210×1F	106	50	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R50V106 □□ 1210×1F	106	50	X5R	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY100V224 □□ 1210×1F	224	100	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY100V474 □□ 1210×1F	474	100	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY100V105 □□ 1210×1F	105	100	BY	K、M	J、L	(G)、"S"、"J"


 Select the outlet form: J / L
 Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

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Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1210×1F	CT4901BY100V225 □□ 1210×1F	225	100	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7S100V335 □□ 1210×1F	335	100	X7S	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7S100V475 □□ 1210×1F	475	100	X7S	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY250V104 □□ 1210×1F	104	250	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY500V223 □□ 1210×1F	223	500	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY500V473 □□ 1210×1F	473	500	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY500V104 □□ 1210×1F	104	500	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY630V473 □□ 1210×1F	473	630	BY	K、M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R6.3V227M □ 1210×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY10V107M □ 1210×2F	107	10	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R10V207M □ 1210×2F	207	10	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7T10V207M □ 1210×2F	207	10	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY16V476M □ 1210×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R16V107M □ 1210×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7T25V107M □ 1210×2F	107	25	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R25V476M □ 1210×2F	476	25	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY25V476M □ 1210×2F	476	25	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R25V107M □ 1210×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY50V225M □ 1210×2F	225	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY50V106M □ 1210×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY50V206M □ 1210×2F	206	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY50V226M □ 1210×2F	226	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R50V226M □ 1210×2F	226	50	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V474M □ 1210×2F	474	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V105M □ 1210×2F	105	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V225M □ 1210×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V475M □ 1210×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7S100V685M □ 1210×2F	685	100	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7S100V106M □ 1210×2F	106	100	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY250V224M □ 1210×2F	224	250	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY500V473M □ 1210×2F	473	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY500V104M □ 1210×2F	104	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY500V224M □ 1210×2F	224	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY630V104M □ 1210×2F	104	630	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R6.3V107M □ 1812×1F	107	6.3	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY16V226M □ 1812×1F	226	16	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY25V106 □□ 1812×1F	106	25	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY25V226M □ 1812×1F	226	25	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R25V226M □ 1812×1F	226	25	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R25V476M □ 1812×1F	476	25	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY50V475 □□ 1812×1F	475	50	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY100V105 □□ 1812×1F	105	100	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY100V225 □□ 1812×1F	225	100	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY200V105 □□ 1812×1F	105	200	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV103 □□ 1812×1F	103	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV223 □□ 1812×1F	223	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV473 □□ 1812×1F	473	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV104 □□ 1812×1F	104	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY2kV472 □□ 1812×1F	472	2000	BY	K、M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY16V476M □ 1812×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY25V226M □ 1812×2F	226	25	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY25V476M □ 1812×2F	476	25	BY	M	J、L	(G)、"S"、"J"

Select the outlet form: J/L
 Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

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Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1812×2F	CT4901X5R25V107M □ 1812×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY50V106M □ 1812×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY100V225M □ 1812×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY100V475M □ 1812×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY200V225M □ 1812×2F	225	200	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV223M □ 1812×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV473M □ 1812×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV104M □ 1812×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV224M □ 1812×2F	224	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY2kV103M □ 1812×2F	103	2000	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4901X5R16V476M □ 2220×1F	476	16	X5R	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY16V476M □ 2220×1F	476	16	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY25V226 □ 2220×1F	226	25	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY50V106 □ 2220×1F	106	50	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY100V475 □ 2220×1F	475	100	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901X7S100V685 □ 2220×1F	685	100	X7S	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY100V106 □ 2220×1F	106	100	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901X7S100V156M □ 2220×1F	156	100	X7S	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY200V105 □ 2220×1F	105	200	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY250V474 □ 2220×1F	474	250	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY250V105 □ 2220×1F	105	250	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY500V474 □ 2220×1F	474	500	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY630V224 □ 2220×1F	224	630	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY630V474 □ 2220×1F	474	630	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY1kV473 □ 2220×1F	473	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY1kV104 □ 2220×1F	104	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY2kV332 □ 2220×1F	332	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY2kV472 □ 2220×1F	472	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY2kV103 □ 2220×1F	103	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY2kV223 □ 2220×1F	223	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY3kV332 □ 2220×1F	332	3000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY3kV472 □ 2220×1F	472	3000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY3kV103 □ 2220×1F	103	3000	BY	K、M	J、L	(G)、"S"、"J"
2220×2F	CT4901X5R16V107M □ 2220×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY16V107M □ 2220×2F	107	16	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY25V476M □ 2220×2F	476	25	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY50V226M □ 2220×2F	226	50	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY100V106M □ 2220×2F	106	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901X7S100V156M □ 2220×2F	156	100	X7S	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY100V226M □ 2220×2F	226	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901X7S100V336M □ 2220×2F	336	100	X7S	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY200V225M □ 2220×2F	225	200	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY250V105M □ 2220×2F	105	250	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY250V225M □ 2220×2F	225	250	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY500V105M □ 2220×2F	105	500	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY630V474M □ 2220×2F	474	630	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY630V105M □ 2220×2F	105	630	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1kV104M □ 2220×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1kV224M □ 2220×2F	224	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY2kV682M □ 2220×2F	682	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY2kV103M □ 2220×2F	103	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY2kV223M □ 2220×2F	223	2000	BY	M	J、L	(G)、"S"、"J"

Select the outlet form: J/L
 Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4901

Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
2220×2F	CT4901BY2kV473M □ 2220×2F	473	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY3kV682M □ 2220×2F	682	3000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY3kV103M □ 2220×2F	103	3000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY3kV223M □ 2220×2F	223	3000	BY	M	J、L	(G)、"S"、"J"

┌ Select the outlet form: J/L
 └ Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4904

Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1206×2F	CT4904X5R6.3V207M □ 1206×2F	207	6.3	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY10V476M □ 1206×2F	476	10	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R10V207M □ 1206×2F	207	10	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R16V476M □ 1206×2F	476	16	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R25V206M □ 1206×2F	206	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY25V206M □ 1206×2F	206	25	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R25V476M □ 1206×2F	476	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R50V225M □ 1206×2F	225	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R50V475M □ 1206×2F	475	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R50V106M □ 1206×2F	106	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R50V226M □ 1206×2F	226	50	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R6.3V227M □ 1210×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R10V207M □ 1210×2F	207	10	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7T10V207M □ 1210×2F	207	10	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY16V476M □ 1210×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R16V107M □ 1210×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R25V476M □ 1210×2F	476	25	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY25V476M □ 1210×2F	476	25	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7R25V107M □ 1210×2F	107	25	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R25V107M □ 1210×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY50V225M □ 1210×2F	225	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY50V106M □ 1210×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY50V226M □ 1210×2F	226	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R50V226M □ 1210×2F	226	50	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V474M □ 1210×2F	474	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V105M □ 1210×2F	105	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V225M □ 1210×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V475M □ 1210×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7S100V685M □ 1210×2F	685	100	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7S100V106M □ 1210×2F	106	100	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY500V473M □ 1210×2F	473	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY500V104M □ 1210×2F	104	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY500V224M □ 1210×2F	224	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY630V104M □ 1210×2F	104	630	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY16V476M □ 1812×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY25V226M □ 1812×2F	226	25	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY25V476M □ 1812×2F	476	25	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY200V225M □ 1812×2F	225	200	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV223M □ 1812×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV473M □ 1812×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV104M □ 1812×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV224M □ 1812×2F	224	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY2kV103M □ 1812×2F	103	2000	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY25V226 □ 2220×1F	226	25	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY50V106 □ 2220×1F	106	50	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY100V475 □ 2220×1F	475	100	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY630V224 □ 2220×1F	224	630	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY630V474 □ 2220×1F	474	630	BY	K、M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY25V476M □ 2220×2F	476	25	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY50V226M □ 2220×2F	226	50	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY100V106M □ 2220×2F	106	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY500V105M □ 2220×2F	105	500	BY	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
 Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4904

Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
2220×2F	CT4904BY630V474M □ 2220×2F	474	630	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY630V105M □ 2220×2F	105	630	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X5R16V157M □ 2220×3F	157	16	X5R	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY16V157M □ 2220×3F	157	16	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY50V336M □ 2220×3F	336	50	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY100V156M □ 2220×3F	156	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X7S100V206M □ 2220×3F	206	100	X7S	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY100V336M □ 2220×3F	336	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X7S100V476M □ 2220×3F	476	100	X7S	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY200V225M □ 2220×3F	225	200	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY250V155M □ 2220×3F	155	250	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY250V335M □ 2220×3F	335	250	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY500V155M □ 2220×3F	155	500	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY630V684M □ 2220×3F	684	630	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY630V155M □ 2220×3F	155	630	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1kV334M □ 2220×3F	334	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV103M □ 2220×3F	103	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV153M □ 2220×3F	153	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV333M □ 2220×3F	333	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV683M □ 2220×3F	683	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY3kV103M □ 2220×3F	103	3000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY3kV333M □ 2220×3F	333	3000	BY	M	J、L	(G)、"S"、"J"