

It features special leads designed to prevent linear displacement caused by the mismatch in thermal expansion coefficients between the ceramic capacitor and the PCB, solving solder joint fatigue issues and eliminating ceramic cracking induced by PCB bending, thereby enhancing product reliability.

— 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

ClassII ceramic capacitors due to dielectric characteristics, electric capacity will be reduced as the extension of placing time and slow, often called this the "ClassII ceramic capacitor capacitance aging" phenomenon, capacitor aging is predictable, repeatable (can through the capacitor to aging, processing condition: heated to 150 °C/1h, 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 I

$C_R \leq 1000\text{pF}$, 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 II

$C_R \leq 10\mu\text{F}$, 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:

Class I

a) When $C_R \leq 1000\text{pF}$, the test frequency is 1MHz±10%; The test voltage is 1V±0.2V(RMS);b) When $C_R > 1000\text{pF}$, the test frequency is 1kHz±10%; The test voltage is 1V ± 0.2V(RMS);

Class II

$C_R < 10\mu\text{F}$ 1kHz±10% 1V±0.2V(RMS) $10\mu\text{F} < C_R < 470\mu\text{F}$ 120Hz±10% 0.5V±0.2V(RMS).

Note: After measuring the dielectric resistance voltage or insulation resistance, the capacitance should be measured after 24 hours of recovery;

- (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

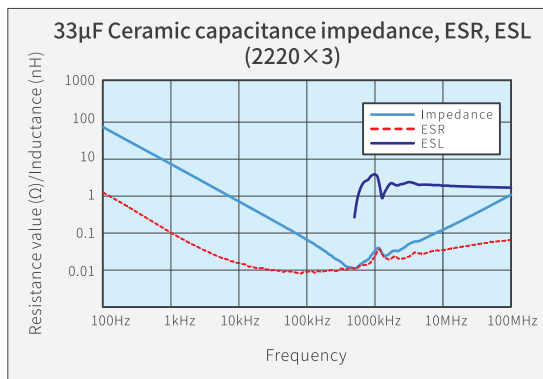
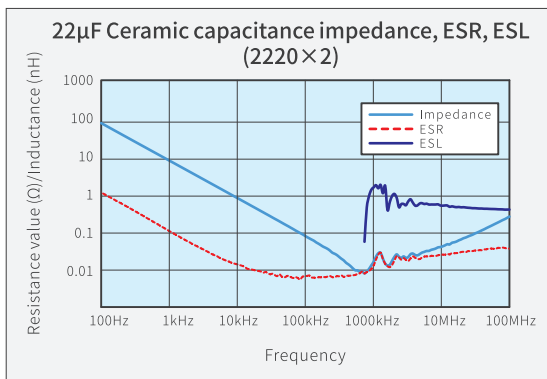
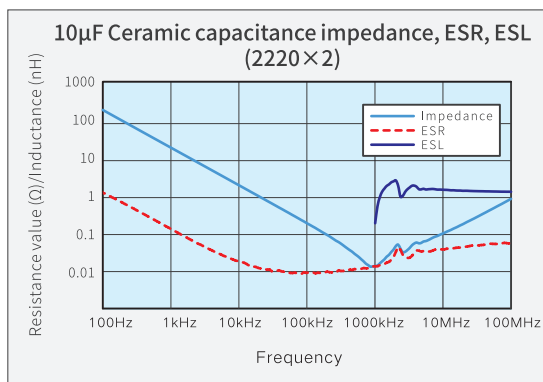
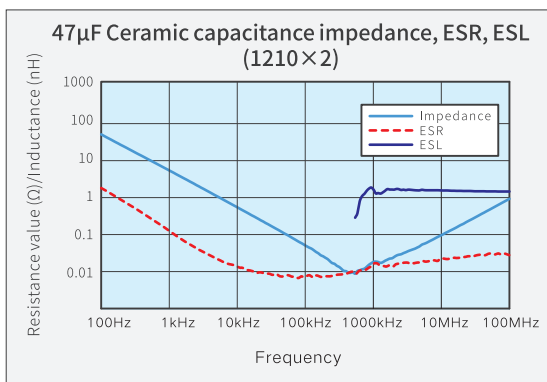
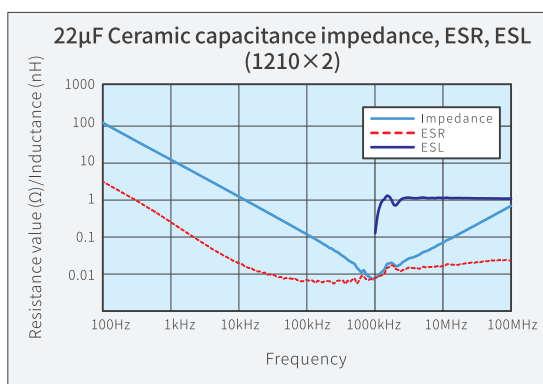
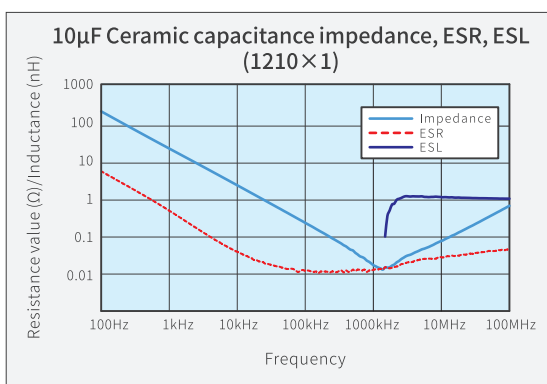
Rated voltage: $U_R \geq 1000\text{V}$: apply 120% of rated DC voltage

- (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.

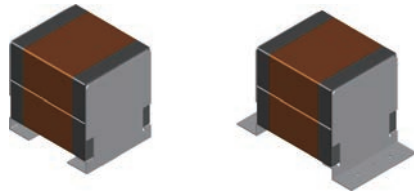
4 Storage Conditions

Capacitor storage environment requirements: temperature of $-10^{\circ}\text{C}\sim 40^{\circ}\text{C}$, conditions should be controlled at $-5\sim 30^{\circ}\text{C}$; 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.

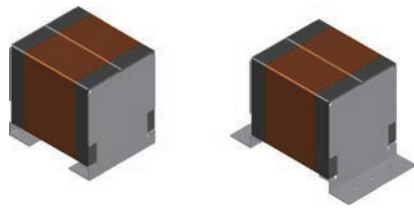
5 Typical Curves of Impedance,ESR,ESL



6 Structure Diagram



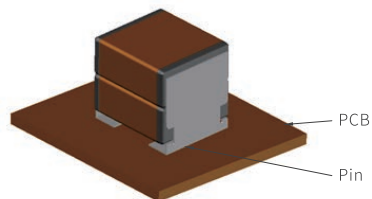
CC4901,CT4901 Outline Diagram



CC4904,CT4904 Outline Diagram

二 INSTALLATION PROCESS

1 Recommended Installation Process

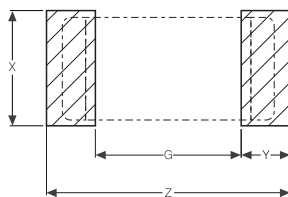


Multilayer ceramic chip capacitor assemblies welding graphic

Notes:

- 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

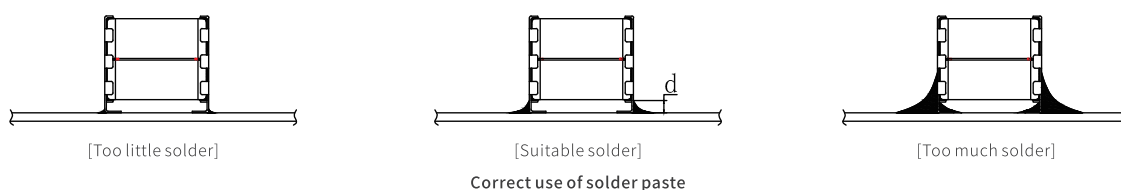
3 Solder Paste and Solder Joint Requirements

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 $\leq 4^{\circ}\text{C/s}$.

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 $1.0^{\circ}\text{C/s}\sim 2.0^{\circ}\text{C/s}$.

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: $0.5^{\circ}\text{C/s}\sim 1^{\circ}\text{C/s}$.

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 $1.00^{\circ}\text{C/s}\sim 3.0^{\circ}\text{C/s}$.

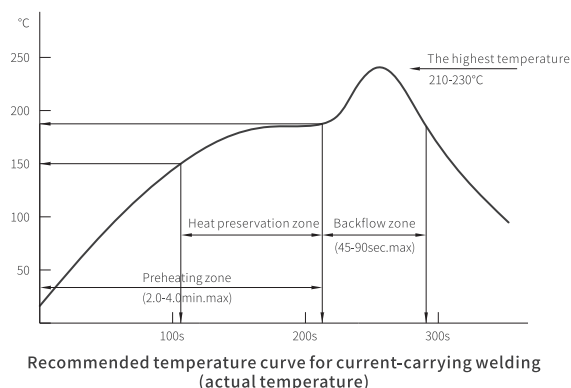
Cooling zone: from the melting point to room temperature area, cooling to about 80°C . Requirements: cooling rate $\leq 4^{\circ}\text{C/s}$; If the cooling rate is too fast, the components may be damaged due to excessive thermal stress, welding joints crack and other adverse phenomena.

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°C/s . It is recommended to use natural cooling in the cooling stage, and the cooling rate should not exceed 4°C/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).

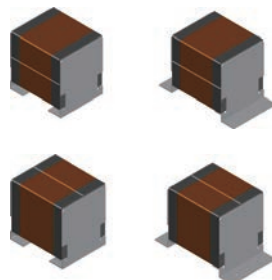
4.2 Manual Welding

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;
- ② No polarity, easy installation;
- ③ 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

(G)	CT49	01	BY	630V	105	M	J	2220x2	F
Quality Grade	Series	Type	Dielectric	Rated Voltage	Capacitance	Capacitance Tolerance	Termination Finish	Case Size	Packaging
(G): (G) LEVEL "S": "S" LEVEL "J": "J" LEVEL	Cc49: Class I CT49: Class II	01: Horizontally stacked 04: Vertically stacked	CG: (0±30)PPM/°C (-55°C~125°C) BY: ±15% (-55°C~125°C) X5R: ±15% (-55°C~85°C) X7S: ±22% (-55°C~125°C) X7T: -33%~22% (-55°C~125°C)	4V 6.3V 10V 16V 25V 35V 50V 100V 200V 250V 500V 630V 1kV 2kV 3kV	First two digits represent significant figures, Third digit specifies number of zeros. Example: 103=10000pF	K=±10% M=±20%	J L	2220: The chip size x2: 2 pieces of 2220	F= packaging

ELECTRICAL CHARACTERISTICS

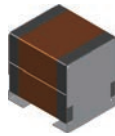
C_R Unit: μF

Characteristics	Dissipation Factor	Dielectric Strength	Insulation Resistance 25°C
CG	$\text{tg}\delta \leq 0.15\%$	$U_R < 200V \quad 2.5U_R$ $U_R = 200V \quad 2.0U_R$ $200V < U_R < 1000V \quad 1.5U_R$ $U_R \geq 1000V \quad 1.2U_R$	$IR \geq \frac{100}{C_R} \text{ M}\Omega$
BY	$U_R < 50V \quad 10\%$ $U_R = 50V \quad 5\%$ $50V < U_R \leq 100V \quad 3.5\%$ $U_R > 100V \quad 2.5\%$		
X7S			
X5R			
X7T			

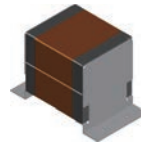
DIMENSIONS

01 Type: Horizontally Stacked

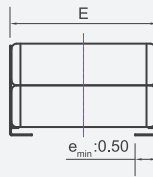
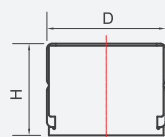
Unit:mm



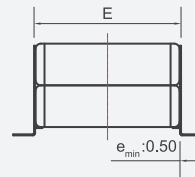
J PIN



L PIN



J PIN

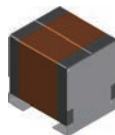


L PIN

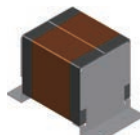
Size Code	D	E	Hmax
0805×2	1.30±0.30	2.20±0.30	4.00
1206×1	1.80±0.30	3.70±0.40	3.00
1206×2	1.80±0.30	3.70±0.40	5.00
1210×1	2.80±0.30	3.70±0.40	4.00
1210×2	2.80±0.30	3.70±0.40	7.00
1812×1	3.30±0.40	4.90±0.40	4.50
1812×2	3.30±0.40	4.90±0.40	8.00
2220×1	5.10±0.40	6.20±0.50	5.50
2220×2	5.10±0.40	6.20±0.50	10.00
2220×3	5.10±0.40	6.20±0.50	14.50
3025×1	6.40±0.40	8.20±0.50	6.50
3025×2	6.40±0.40	8.20±0.50	12.00
3025×3	6.40±0.40	8.20±0.50	17.50
4045×1	11.40±0.50	10.60±0.50	6.10
4045×2	11.40±0.50	10.60±0.50	11.20
4045×3	11.40±0.50	10.60±0.50	16.30
4045×4	11.40±0.50	10.60±0.50	21.40
5545×1	11.40±0.50	14.30±0.60	6.10
5545×2	11.40±0.50	14.30±0.60	11.20
5545×3	11.40±0.50	14.30±0.60	16.30
5545×4	11.40±0.50	14.30±0.60	21.40
6878×1	19.80±0.50	17.60±0.80	7.00
6878×2	19.80±0.50	17.60±0.80	13.00
6878×3	19.80±0.50	17.60±0.80	19.00
6878×4	19.80±0.50	17.60±0.80	25.00
6878×5	19.80±0.50	17.60±0.80	31.00
45105×1	26.80±0.60	12.20±0.60	6.00
45105×2	26.80±0.60	12.20±0.60	10.50
45105×3	26.80±0.60	12.20±0.60	15.00
45105×4	26.80±0.60	12.20±0.60	19.50
45105×5	26.80±0.60	12.20±0.60	24.00

04 Type: Vertically Stacked

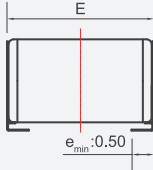
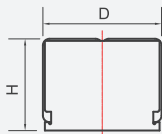
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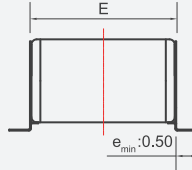
J PIN



L PIN



J PIN



L PIN

Size Code	Dmax	E	H
1206×2	4.00	3.70±0.40	2.60±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	6.20±0.50	6.10±0.50
2220×2	9.00	6.20±0.50	6.10±0.50
2220×3	13.50	6.20±0.50	6.10±0.50
3025×1	5.50	8.20±0.50	7.40±0.50
3025×2	11.00	8.20±0.50	7.40±0.50
3025×3	16.50	8.20±0.50	7.40±0.50
3025×5	27.50	8.20±0.50	7.40±0.50
4045×1	5.10	10.60±0.60	12.40±0.60
4045×2	10.20	10.60±0.60	12.40±0.60
4045×3	15.30	10.60±0.60	12.40±0.60
4045×4	20.40	10.60±0.60	12.40±0.60
5545×1	5.10	14.30±0.60	12.40±0.60
5545×2	10.20	14.30±0.60	12.40±0.60
5545×3	15.30	14.30±0.60	12.40±0.60
5545×4	20.40	14.30±0.60	12.40±0.60
6878×1	6.00	17.60±0.80	20.80±0.80
6878×2	12.00	17.60±0.80	20.80±0.80
6878×3	18.00	17.60±0.80	20.80±0.80
6878×4	24.00	17.60±0.80	20.80±0.80
6878×5	30.00	17.60±0.80	20.80±0.80

TEST LEVEL

“J” LEVEL(Level A)	“S” LEVEL(Level B)	(G) LEVEL(Level C)
Temperature cycling	Temperature cycling	Temperature cycling
Accelerated steady state aging @48h	Accelerated steady state aging @96h	Accelerated steady state aging @96h
Solderability	Solderability	Resistance to moisture
		Terminal strength
		Solderability
		Resistance to soldering heat
		Steeping
		Bending strength

CAPACITANCE AND RATED VOLTAGE RANGE

CC4901

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1206×1F	CC4901CG50V104 □□ 1206×1F	104	50	CG	J、K	J、L	(G)、"S"、"J"
1206×1F	CC4901CG100V103 □□ 1206×1F	103	100	CG	J、K	J、L	(G)、"S"、"J"
1206×1F	CC4901CG630V332 □□ 1206×1F	332	630	CG	J、K	J、L	(G)、"S"、"J"
1206×1F	CC4901CG500V102 □□ 1206×1F	102	500	CG	J、K	J、L	(G)、"S"、"J"
1206×2F	CC4901CG50V204 □□ 1206×2F	204	50	CG	K、M	J、L	(G)、"S"、"J"
1206×2F	CC4901CG100V203 □□ 1206×2F	203	100	CG	K、M	J、L	(G)、"S"、"J"
1206×2F	CC4901CG630V682 □□ 1206×2F	682	630	CG	K、M	J、L	(G)、"S"、"J"
1210×1F	CC4901CG50V104 □□ 1210×1F	104	50	CG	J、K	J、L	(G)、"S"、"J"
1210×1F	CC4901CG100V104 □□ 1210×1F	104	100	CG	J、K	J、L	(G)、"S"、"J"
1210×1F	CC4901CG250V103 □□ 1210×1F	103	250	CG	J、K	J、L	(G)、"S"、"J"
1210×1F	CC4901CG630V222 □□ 1210×1F	222	630	CG	J、K	J、L	(G)、"S"、"J"
1210×1F	CC4901CG1kV102 □□ 1210×1F	102	1000	CG	J、K	J、L	(G)、"S"、"J"
1210×2F	CC4901CG50V204 □□ 1210×2F	204	50	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4901CG100V204 □□ 1210×2F	204	100	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4901CG250V203 □□ 1210×2F	203	250	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4901CG630V432 □□ 1210×2F	432	630	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4901CG1kV202 □□ 1210×2F	202	1000	CG	K、M	J、L	(G)、"S"、"J"
1812×1F	CC4901CG50V224 □□ 1812×1F	224	50	CG	J、K	J、L	(G)、"S"、"J"
1812×1F	CC4901CG100V104 □□ 1812×1F	104	100	CG	J、K	J、L	(G)、"S"、"J"
1812×1F	CC4901CG250V103 □□ 1812×1F	103	250	CG	J、K	J、L	(G)、"S"、"J"
1812×1F	CC4901CG500V472 □□ 1812×1F	472	500	CG	J、K	J、L	(G)、"S"、"J"
1812×1F	CC4901CG500V222 □□ 1812×1F	222	500	CG	J、K	J、L	(G)、"S"、"J"
1812×1F	CC4901CG1kV472 □□ 1812×1F	472	1000	CG	J、K	J、L	(G)、"S"、"J"
1812×2F	CC4901CG50V434 □□ 1812×2F	434	50	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4901CG100V204 □□ 1812×2F	204	100	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4901CG250V203 □□ 1812×2F	203	250	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4901CG500V183 □□ 1812×2F	183	500	CG	M	J、L	(G)、"S"、"J"
1812×2F	CC4901CG500V432 □□ 1812×2F	432	500	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4901CG1kV103 □□ 1812×2F	103	1000	CG	M	J、L	(G)、"S"、"J"
2220×1F	CC4901CG50V474 □□ 2220×1F	474	50	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4901CG100V334 □□ 2220×1F	334	100	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4901CG100V224 □□ 2220×1F	224	100	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4901CG100V104 □□ 2220×1F	104	100	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4901CG500V223 □□ 2220×1F	223	500	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4901CG1kV223 □□ 2220×1F	223	1000	CG	J、K	J、L	(G)、"S"、"J"
2220×2F	CC4901CG50V105 □□ 2220×2F	105	50	CG	M	J、L	(G)、"S"、"J"
2220×2F	CC4901CG100V684 □□ 2220×2F	684	100	CG	M	J、L	(G)、"S"、"J"
2220×2F	CC4901CG100V434 □□ 2220×2F	434	100	CG	K、M	J、L	(G)、"S"、"J"
2220×2F	CC4901CG100V204 □□ 2220×2F	204	100	CG	K、M	J、L	(G)、"S"、"J"
2220×2F	CC4901CG500V433 □□ 2220×2F	433	500	CG	K、M	J、L	(G)、"S"、"J"
2220×2F	CC4901CG1kV433 □□ 2220×2F	433	1000	CG	K、M	J、L	(G)、"S"、"J"
2220×3F	CC4901CG50V155 □□ 2220×3F	155	50	CG	K、M	J、L	(G)、"S"、"J"
2220×3F	CC4901CG100V105 □□ 2220×3F	105	100	CG	M	J、L	(G)、"S"、"J"
2220×3F	CC4901CG100V684 □□ 2220×3F	684	100	CG	M	J、L	(G)、"S"、"J"
2220×3F	CC4901CG100V304 □□ 2220×3F	304	100	CG	K、M	J、L	(G)、"S"、"J"
2220×3F	CC4901CG500V683 □□ 2220×3F	683	500	CG	M	J、L	(G)、"S"、"J"
2220×3F	CC4901CG1kV683 □□ 2220×3F	683	1000	CG	M	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
1206×2F	CC4904CG50V204 □□ 1206×2F	204	50	CG	K、M	J、L	(G)、"S"、"J"
1206×2F	CC4904CG100V203 □□ 1206×2F	203	100	CG	K、M	J、L	(G)、"S"、"J"
1206×2F	CC4904CG630V682 □□ 1206×2F	682	630	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4904CG50V204 □□ 1210×2F	204	50	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4904CG100V204 □□ 1210×2F	204	100	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4904CG250V203 □□ 1210×2F	203	250	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4904CG630V432 □□ 1210×2F	432	630	CG	K、M	J、L	(G)、"S"、"J"
1210×2F	CC4904CG1kV202 □□ 1210×2F	202	1000	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4904CG50V434 □□ 1812×2F	434	50	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4904CG100V204 □□ 1812×2F	204	100	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4904CG250V203 □□ 1812×2F	203	250	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4904CG500V183 □□ 1812×2F	183	500	CG	M	J、L	(G)、"S"、"J"
1812×2F	CC4904CG500V432 □□ 1812×2F	432	500	CG	K、M	J、L	(G)、"S"、"J"
1812×2F	CC4904CG1kV103 □□ 1812×2F	103	1000	CG	M	J、L	(G)、"S"、"J"
2220×1F	CC4904CG50V474 □□ 2220×1F	474	50	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4904CG100V334 □□ 2220×1F	334	100	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4904CG100V224 □□ 2220×1F	224	100	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4904CG100V104 □□ 2220×1F	104	100	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4904CG500V223 □□ 2220×1F	223	500	CG	J、K	J、L	(G)、"S"、"J"
2220×1F	CC4904CG1kV223 □□ 2220×1F	223	1000	CG	J、K	J、L	(G)、"S"、"J"
2220×2F	CC4904CG50V105 □□ 2220×2F	105	50	CG	M	J、L	(G)、"S"、"J"
2220×2F	CC4904CG100V684 □□ 2220×2F	684	100	CG	M	J、L	(G)、"S"、"J"
2220×2F	CC4904CG100V434 □□ 2220×2F	434	100	CG	K、M	J、L	(G)、"S"、"J"
2220×2F	CC4904CG100V204 □□ 2220×2F	204	100	CG	K、M	J、L	(G)、"S"、"J"
2220×2F	CC4904CG500V433 □□ 2220×2F	433	500	CG	K、M	J、L	(G)、"S"、"J"
2220×2F	CC4904CG1kV433 □□ 2220×2F	433	1000	CG	K、M	J、L	(G)、"S"、"J"
2220×3F	CC4904CG50V155 □□ 2220×3F	155	50	CG	K、M	J、L	(G)、"S"、"J"
2220×3F	CC4904CG100V105 □□ 2220×3F	105	100	CG	M	J、L	(G)、"S"、"J"
2220×3F	CC4904CG100V684 □□ 2220×3F	684	100	CG	M	J、L	(G)、"S"、"J"
2220×3F	CC4904CG100V304 □□ 2220×3F	304	100	CG	K、M	J、L	(G)、"S"、"J"
2220×3F	CC4904CG500V683 □□ 2220×3F	683	500	CG	M	J、L	(G)、"S"、"J"
2220×3F	CC4904CG1kV683 □□ 2220×3F	683	1000	CG	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
0805×2F	CT4901X5R6.3V107 □□ 0805×2F	107	6.3	X5R	M	J	(G)、"S"、"J"
0805×2F	CT4901X5S6.3V476 □□ 0805×2F	476	6.3	X5S	M	J	(G)、"S"、"J"
0805×2F	CT4901X7T10V446 □□ 0805×2F	446	10	X7T	M	J	(G)、"S"、"J"
0805×2F	CT4901BY10V206 □□ 0805×2F	206	10	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901BY10V106 □□ 0805×2F	106	10	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901BY16V106 □□ 0805×2F	106	16	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901X5S16V476 □□ 0805×2F	476	16	X5S	M	J	(G)、"S"、"J"
0805×2F	CT4901X5R16V206 □□ 0805×2F	206	16	X5R	M	J	(G)、"S"、"J"
0805×2F	CT4901X7S25V206 □□ 0805×2F	206	25	X7S	M	J	(G)、"S"、"J"
0805×2F	CT4901BY25V106 □□ 0805×2F	106	25	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901BY25V225 □□ 0805×2F	225	25	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901X5S25V446 □□ 0805×2F	446	25	X5S	M	J	(G)、"S"、"J"
0805×2F	CT4901X5R25V206 □□ 0805×2F	206	25	X5R	M	J	(G)、"S"、"J"
0805×2F	CT4901X7T50V106 □□ 0805×2F	106	50	X7T	M	J	(G)、"S"、"J"
0805×2F	CT4901BY50V475 □□ 0805×2F	475	50	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901BY50V225 □□ 0805×2F	225	50	BY	M	J	(G)、"S"、"J"
0805×2F	CT4901X7S100V205 □□ 0805×2F	205	100	X7S	M	J	(G)、"S"、"J"
0805×2F	CT4901X5R100V105 □□ 0805×2F	105	100	X5R	M	J	(G)、"S"、"J"
1206×1F	CT4901X5R4V227 □□ 1206×1F	227	4	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R6.3V107 □□ 1206×1F	107	6.3	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R10V107 □□ 1206×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R10V476 □□ 1206×1F	476	10	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY10V226 □□ 1206×1F	226	10	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R16V476 □□ 1206×1F	476	16	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY16V226 □□ 1206×1F	226	16	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R25V476 □□ 1206×1F	476	25	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R25V226 □□ 1206×1F	226	25	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY25V106 □□ 1206×1F	106	25	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901X5R50V106 □□ 1206×1F	106	50	X5R	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY50V106 □□ 1206×1F	106	50	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY50V475 □□ 1206×1F	475	50	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY100V225 □□ 1206×1F	225	100	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY100V105 □□ 1206×1F	105	100	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY100V474 □□ 1206×1F	474	100	BY	M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY100V224 □□ 1206×1F	224	100	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY100V104 □□ 1206×1F	104	100	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY200V104 □□ 1206×1F	104	200	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	CT4901BY500V223 □□ 1206×1F	223	500	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY500V103 □□ 1206×1F	103	500	BY	K、M	J、L	(G)、"S"、"J"
1206×1F	CT4901BY630V223 □□ 1206×1F	223	630	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	CT4901X5R4V437 □□ 1206×2F	437	4	X5R	K、M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R6.3V227 □□ 1206×2F	227	6.3	X5R	K、M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R10V227 □□ 1206×2F	227	10	X5R	K、M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R10V107 □□ 1206×2F	107	10	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY10V476 □□ 1206×2F	476	10	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R16V107 □□ 1206×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY16V476 □□ 1206×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R25V107 □□ 1206×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R25V476 □□ 1206×2F	476	25	X5R	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
1206×2F	CT4901BY25V226 □□ 1206×2F	226	25	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901X5R50V226 □□ 1206×2F	226	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY50V226 □□ 1206×2F	226	50	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY50V106 □□ 1206×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY100V475 □□ 1206×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY100V225 □□ 1206×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY100V105 □□ 1206×2F	105	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY100V474 □□ 1206×2F	474	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY100V224 □□ 1206×2F	224	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY200V224 □□ 1206×2F	224	200	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY250V104 □□ 1206×2F	104	250	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY500V104 □□ 1206×2F	104	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY500V473 □□ 1206×2F	473	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY500V223 □□ 1206×2F	223	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY630V473 □□ 1206×2F	473	630	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4901BY630V223 □□ 1206×2F	223	630	BY	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R6.3V227 □□ 1210×1F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R6.3V107 □□ 1210×1F	107	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY6.3V476 □□ 1210×1F	476	6.3	BY	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R10V107 □□ 1210×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY10V476 □□ 1210×1F	476	10	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R16V107 □□ 1210×1F	107	16	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7T16V476 □□ 1210×1F	476	16	X7T	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY16V226 □□ 1210×1F	226	16	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X5R25V476 □□ 1210×1F	476	25	X5R	M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY25V226 □□ 1210×1F	226	25	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY50V106 □□ 1210×1F	106	50	BY	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7S63V106 □□ 1210×1F	106	63	X7S	M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7S100V475 □□ 1210×1F	475	100	X7S	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY100V335 □□ 1210×1F	335	100	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY100V225 □□ 1210×1F	225	100	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY100V105 □□ 1210×1F	105	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	CT4901BY250V474 □□ 1210×1F	474	250	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY250V224 □□ 1210×1F	224	250	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901X7T450V224 □□ 1210×1F	224	450	X7T	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"
1210×1F	CT4901BY630V223 □□ 1210×1F	223	630	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY1kV473 □□ 1210×1F	473	1000	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY1kV223 □□ 1210×1F	223	1000	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY1kV153 □□ 1210×1F	153	1000	BY	K、M	J、L	(G)、"S"、"J"
1210×1F	CT4901BY1kV103 □□ 1210×1F	103	1000	BY	K、M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R6.3V437 □□ 1210×2F	437	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R6.3V227 □□ 1210×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY6.3V107 □□ 1210×2F	107	6.3	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R10V227 □□ 1210×2F	227	10	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY10V107 □□ 1210×2F	107	10	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R16V227 □□ 1210×2F	227	16	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY16V476 □□ 1210×2F	476	16	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
1210×2F	CT4901X7T16V107 □□ 1210×2F	476	16	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X5R25V107 □□ 1210×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY25V476 □□ 1210×2F	476	25	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY50V206 □□ 1210×2F	226	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7S63V226 □□ 1210×2F	226	63	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7S100V106 □□ 1210×2F	106	100	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V685 □□ 1210×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V475 □□ 1210×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V225 □□ 1210×2F	105	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY100V105 □□ 1210×2F	474	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY250V105 □□ 1210×2F	224	250	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY250V474 □□ 1210×2F	224	250	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901X7T450V474 □□ 1210×2F	104	450	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY500V224 □□ 1210×2F	104	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY630V104 □□ 1210×2F	473	630	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY630V473 □□ 1210×2F	223	630	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY1kV104 □□ 1210×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY1kV473 □□ 1210×2F	227	1000	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY1kV333 □□ 1210×2F	107	1000	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4901BY1kV223 □□ 1210×2F	476	1000	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R6.3V107 □□ 1812×1F	107	6.3	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY6.3V336 □□ 1812×1F	476	6.3	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R10V107 □□ 1812×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY10V336 □□ 1812×1F	226	10	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R16V476 □□ 1812×1F	476	16	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY16V226 □□ 1812×1F	476	16	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901X5R25V476 □□ 1812×1F	226	25	X5R	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY25V226 □□ 1812×1F	106	25	BY	M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY50V106 □□ 1812×1F	475	50	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY50V475 □□ 1812×1F	475	50	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901X7S100V475 □□ 1812×1F	225	100	X7S	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY100V225 □□ 1812×1F	105	100	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY100V105 □□ 1812×1F	474	100	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY250V474 □□ 1812×1F	224	250	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY500V224 □□ 1812×1F	224	500	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY630V224 □□ 1812×1F	104	630	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY630V104 □□ 1812×1F	473	630	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV104 □□ 1812×1F	223	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV473 □□ 1812×1F	103	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV223 □□ 1812×1F	437	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY1kV103 □□ 1812×1F	227	1000	BY	K、M	J、L	(G)、"S"、"J"
1812×1F	CT4901BY2kV103 □□ 1812×1F	107	2000	BY	K、M	J、L	(G)、"S"、"J"
1812×2F	CT4901X5R6.3V227 □□ 1812×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY6.3V686 □□ 1812×2F	107	6.3	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901X5R10V227 □□ 1812×2F	227	10	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY10V686 □□ 1812×2F	476	10	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901X5R16V107 □□ 1812×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY16V476 □□ 1812×2F	107	16	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901X5R25V107 □□ 1812×2F	476	25	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY25V476 □□ 1812×2F	226	25	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY50V226 □□ 1812×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY50V106 □□ 1812×2F	106	50	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	CT4901X7S100V106 □□ 1812×2F	106	100	X7S	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY100V475 □□ 1812×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY100V225 □□ 1812×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY250V105 □□ 1812×2F	105	250	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY500V474 □□ 1812×2F	474	500	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY630V474 □□ 1812×2F	474	630	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY630V224 □□ 1812×2F	224	630	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV224 □□ 1812×2F	224	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV104 □□ 1812×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV473 □□ 1812×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4901BY1kV223 □□ 1812×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4901X5R10V107 □□ 2220×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY16V476 □□ 2220×1F	476	16	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY25V476 □□ 2220×1F	476	25	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY25V226 □□ 2220×1F	226	25	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY50V226 □□ 2220×1F	226	50	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901X7S50V156 □□ 2220×1F	156	50	X7S	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY50V106 □□ 2220×1F	106	50	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901X7S100V156 □□ 2220×1F	156	100	X7S	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY100V106 □□ 2220×1F	106	100	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY100V475 □□ 2220×1F	475	100	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY100V225 □□ 2220×1F	225	100	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	CT4901X7T250V225 □□ 2220×1F	225	250	X7T	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901X7T450V105 □□ 2220×1F	105	450	X7T	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY500V474 □□ 2220×1F	474	500	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	CT4901BY1kV224 □□ 2220×1F	224	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	CT4901BY1kV473 □□ 2220×1F	473	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY1kV223 □□ 2220×1F	223	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY1kV103 □□ 2220×1F	103	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY1.5kV104 □□ 2220×1F	104	1500	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY2kV473 □□ 2220×1F	473	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	CT4901BY2kV472 □□ 2220×1F	472	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4901BY3kV332 □□ 2220×1F	332	3000	BY	K、M	J、L	(G)、"S"、"J"
2220×2F	CT4901X5R10V227 □□ 2220×2F	227	10	X5R	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY16V107 □□ 2220×2F	107	16	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY25V107 □□ 2220×2F	107	25	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY25V476 □□ 2220×2F	476	25	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY50V476 □□ 2220×2F	476	50	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901X7S50V336 □□ 2220×2F	336	50	X7S	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY50V226 □□ 2220×2F	226	50	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901X7S100V336 □□ 2220×2F	336	100	X7S	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY100V226 □□ 2220×2F	226	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY100V106 □□ 2220×2F	106	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY100V475 □□ 2220×2F	475	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY250V225 □□ 2220×2F	225	250	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901X7T250V475 □□ 2220×2F	475	250	X7T	M	J、L	(G)、"S"、"J"
2220×2F	CT4901X7T450V225 □□ 2220×2F	225	450	X7T	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY500V105 □□ 2220×2F	105	500	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY630V105 □□ 2220×2F	105	630	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1kV474 □□ 2220×2F	474	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1kV224 □□ 2220×2F	224	1000	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	CT4901BY1kV104 □□ 2220×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1kV473 □□ 2220×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1kV223 □□ 2220×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY1.5kV224 □□ 2220×2F	224	1500	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY2kV104 □□ 2220×2F	104	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY2kV223 □□ 2220×2F	223	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY2kV103 □□ 2220×2F	103	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4901BY3kV682 □□ 2220×2F	682	3000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901X5R10V337 □□ 2220×3F	337	10	X5R	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY16V157 □□ 2220×3F	157	16	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY25V157 □□ 2220×3F	157	25	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY25V686 □□ 2220×3F	686	25	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY50V686 □□ 2220×3F	686	50	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901X7S50V476 □□ 2220×3F	476	50	X7S	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY50V336 □□ 2220×3F	336	50	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901X7S100V476 □□ 2220×3F	476	100	X7S	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY100V336 □□ 2220×3F	336	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY100V156 □□ 2220×3F	156	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY100V685 □□ 2220×3F	685	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY250V335 □□ 2220×3F	335	250	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901X7T250V685 □□ 2220×3F	685	250	X7T	M	J、L	(G)、"S"、"J"
2220×3F	CT4901X7T450V335 □□ 2220×3F	335	450	X7T	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY500V155 □□ 2220×3F	155	500	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY630V155 □□ 2220×3F	155	630	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY1kV684 □□ 2220×3F	684	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY1kV334 □□ 2220×3F	334	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY1kV154 □□ 2220×3F	154	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY1kV683 □□ 2220×3F	683	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY1kV333 □□ 2220×3F	333	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY1.5kV334 □□ 2220×3F	334	1500	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY2kV154 □□ 2220×3F	154	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY2kV333 □□ 2220×3F	333	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY2kV153 □□ 2220×3F	153	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4901BY3kV103 □□ 2220×3F	103	3000	BY	M	J、L	(G)、"S"、"J"
3025×1F	CT4901BY50V226 □□ 3025×1F	226	50	BY	M	J、L	(G)、"S"、"J"
3025×2F	CT4901BY50V476 □□ 3025×2F	476	50	BY	M	J、L	(G)、"S"、"J"
3025×3F	CT4901BY50V686 □□ 3025×3F	686	50	BY	M	J、L	(G)、"S"、"J"
4045×1F	CT4901BY250V285 □□ 4045×1F	285	250	BY	K、M	J、L	(G)、"S"、"J"
4045×2F	CT4901BY250V565 □□ 4045×2F	565	250	BY	M	J、L	(G)、"S"、"J"
4045×3F	CT4901BY250V825 □□ 4045×3F	825	250	BY	M	J、L	(G)、"S"、"J"
4045×4F	CT4901BY250V126 □□ 4045×4F	126	250	BY	M	J、L	(G)、"S"、"J"
5545×1F	CT4901BY500V245 □□ 5545×1F	245	500	BY	K、M	J、L	(G)、"S"、"J"
5545×2F	CT4901BY500V475 □□ 5545×2F	475	500	BY	M	J、L	(G)、"S"、"J"
5545×3F	CT4901BY500V685 □□ 5545×3F	685	500	BY	M	J、L	(G)、"S"、"J"
5545×4F	CT4901BY500V106 □□ 5545×4F	106	500	BY	M	J、L	(G)、"S"、"J"
6878×1F	CT4901BY1kV475 □□ 6878×1F	475	1000	BY	K、M	J、L	(G)、"S"、"J"
6878×2F	CT4901BY1kV106 □□ 6878×2F	106	1000	BY	M	J、L	(G)、"S"、"J"
6878×3F	CT4901BY1kV156 □□ 6878×3F	156	1000	BY	M	J、L	(G)、"S"、"J"
6878×4F	CT4901BY1kV186 □□ 6878×4F	186	1000	BY	M	J、L	(G)、"S"、"J"
6878×5F	CT4901BY1kV246 □□ 6878×5F	246	1000	BY	M	J、L	(G)、"S"、"J"
45105×1F	CT4901BY500V455 □□ 45105×1F	455	500	BY	K、M	J、L	(G)、"S"、"J"
45105×2F	CT4901BY500V905 □□ 45105×2F	905	500	BY	M	J、L	(G)、"S"、"J"
45105×3F	CT4901BY500V146 □□ 45105×3F	146	500	BY	M	J、L	(G)、"S"、"J"
45105×4F	CT4901BY500V186 □□ 45105×4F	186	500	BY	M	J、L	(G)、"S"、"J"
45105×5F	CT4901BY500V226 □□ 45105×5F	226	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
1206×2F	CT4904X5R4V437 □□ 1206×2F	437	4	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R6.3V227 □□ 1206×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R10V227 □□ 1206×2F	227	10	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R10V107 □□ 1206×2F	107	10	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY10V476 □□ 1206×2F	476	10	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R16V107 □□ 1206×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY16V476 □□ 1206×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R25V107 □□ 1206×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R25V476 □□ 1206×2F	476	25	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY25V226 □□ 1206×2F	226	25	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904X5R50V226 □□ 1206×2F	226	50	X5R	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY50V226 □□ 1206×2F	226	50	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY50V106 □□ 1206×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY100V475 □□ 1206×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY100V225 □□ 1206×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY100V105 □□ 1206×2F	105	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY100V474 □□ 1206×2F	474	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY100V224 □□ 1206×2F	224	100	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY200V224 □□ 1206×2F	224	200	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY250V104 □□ 1206×2F	104	250	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY500V104 □□ 1206×2F	104	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY500V473 □□ 1206×2F	473	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY500V223 □□ 1206×2F	223	500	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY630V473 □□ 1206×2F	473	630	BY	M	J、L	(G)、"S"、"J"
1206×2F	CT4904BY630V223 □□ 1206×2F	223	630	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R6.3V437 □□ 1210×2F	437	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R6.3V227 □□ 1210×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY6.3V107 □□ 1210×2F	107	6.3	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R10V227 □□ 1210×2F	227	10	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY10V107 □□ 1210×2F	107	10	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R16V227 □□ 1210×2F	227	16	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7T16V107 □□ 1210×2F	107	16	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY16V476 □□ 1210×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X5R25V107 □□ 1210×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY25V476 □□ 1210×2F	476	25	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY50V206 □□ 1210×2F	206	50	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7S63V226 □□ 1210×2F	226	63	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7S100V106 □□ 1210×2F	106	100	X7S	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V685 □□ 1210×2F	685	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V475 □□ 1210×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V225 □□ 1210×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY100V105 □□ 1210×2F	105	100	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY250V105 □□ 1210×2F	105	250	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY250V474 □□ 1210×2F	474	250	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904X7T450V474 □□ 1210×2F	474	450	X7T	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY500V224 □□ 1210×2F	224	500	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY630V104 □□ 1210×2F	104	630	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY630V473 □□ 1210×2F	473	630	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY1kV104 □□ 1210×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY1kV473 □□ 1210×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY1kV333 □□ 1210×2F	333	1000	BY	M	J、L	(G)、"S"、"J"
1210×2F	CT4904BY1kV223 □□ 1210×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904X5R6.3V227 □□ 1812×2F	227	6.3	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY6.3V686 □□ 1812×2F	686	6.3	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904X5R10V227 □□ 1812×2F	227	10	X5R	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
1812×2F	CT4904BY10V686 □□ 1812×2F	686	10	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904X5R16V107 □□ 1812×2F	107	16	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY16V476 □□ 1812×2F	476	16	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904X5R25V107 □□ 1812×2F	107	25	X5R	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY25V476 □□ 1812×2F	476	25	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY50V226 □□ 1812×2F	226	50	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY50V106 □□ 1812×2F	106	50	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904X7S100V106 □□ 1812×2F	106	100	X7S	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY100V475 □□ 1812×2F	475	100	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY100V225 □□ 1812×2F	225	100	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY250V105 □□ 1812×2F	105	250	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY500V474 □□ 1812×2F	474	500	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY630V474 □□ 1812×2F	474	630	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY630V224 □□ 1812×2F	224	630	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV224 □□ 1812×2F	224	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV104 □□ 1812×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV473 □□ 1812×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
1812×2F	CT4904BY1kV223 □□ 1812×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4904X5R10V107 □□ 2220×1F	107	10	X5R	M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY16V476 □□ 2220×1F	476	16	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY25V476 □□ 2220×1F	476	25	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY25V226 □□ 2220×1F	226	25	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY50V226 □□ 2220×1F	226	50	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904X7S50V156 □□ 2220×1F	156	50	X7S	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY50V106 □□ 2220×1F	106	50	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904X7S100V156 □□ 2220×1F	156	100	X7S	M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY100V106 □□ 2220×1F	106	100	BY	M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY100V475 □□ 2220×1F	475	100	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY100V225 □□ 2220×1F	225	100	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY250V105 □□ 2220×1F	105	250	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904X7T250V225 □□ 2220×1F	225	250	X7T	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904X7T450V105 □□ 2220×1F	105	450	X7T	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY500V474 □□ 2220×1F	474	500	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY630V474 □□ 2220×1F	474	630	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY1kV224 □□ 2220×1F	224	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY1kV104 □□ 2220×1F	104	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY1kV473 □□ 2220×1F	473	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY1kV223 □□ 2220×1F	223	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY1kV103 □□ 2220×1F	103	1000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY1.5kV104 □□ 2220×1F	104	1500	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY2kV473 □□ 2220×1F	473	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY2kV103 □□ 2220×1F	103	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY2kV472 □□□ 2220×1F	472	2000	BY	K、M	J、L	(G)、"S"、"J"
2220×1F	CT4904BY3kV332 □□ 2220×1F	332	3000	BY	K、M	J、L	(G)、"S"、"J"
2220×2F	CT4904X5R10V227 □□ 2220×2F	227	10	X5R	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY16V107 □□ 2220×2F	107	16	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY25V107 □□ 2220×2F	107	25	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY25V476 □□ 2220×2F	476	25	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY50V476 □□ 2220×2F	476	50	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904X7S50V336 □□ 2220×2F	336	50	X7S	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY50V226 □□ 2220×2F	226	50	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904X7S100V336 □□ 2220×2F	336	100	X7S	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY100V226 □□ 2220×2F	226	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY100V106 □□ 2220×2F	106	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY100V475 □□ 2220×2F	475	100	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY250V225 □□ 2220×2F	225	250	BY	M	J、L	(G)、"S"、"J"
		Select the outlet form: J /L					
		Capacitance tolerance					

CAPACITANCE AND RATED VOLTAGE RANGE

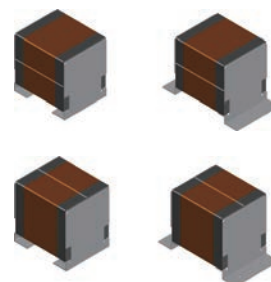
CT4904

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
2220×2F	CT4904X7T250V475 □□ 2220×2F	475	250	X7T	M	J、L	(G)、"S"、"J"
2220×2F	CT4904X7T450V225 □□ 2220×2F	225	450	X7T	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY500V105 □□ 2220×2F	105	500	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY630V105 □□ 2220×2F	105	630	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY1kV474 □□ 2220×2F	474	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY1kV224 □□ 2220×2F	224	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY1kV104 □□ 2220×2F	104	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY1kV473 □□ 2220×2F	473	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY1kV223 □□ 2220×2F	223	1000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY1.5kV224 □□ 2220×2F	224	1500	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY2kV104 □□ 2220×2F	104	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY2kV223 □□ 2220×2F	223	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY2kV103 □□ 2220×2F	103	2000	BY	M	J、L	(G)、"S"、"J"
2220×2F	CT4904BY3kV682 □□ 2220×2F	682	3000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X5R10V337 □□ 2220×3F	337	10	X5R	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY16V157 □□ 2220×3F	157	16	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY25V157 □□ 2220×3F	157	25	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY25V686 □□ 2220×3F	686	25	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY50V686 □□ 2220×3F	686	50	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X7S50V476 □□ 2220×3F	476	50	X7S	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY50V336 □□ 2220×3F	336	50	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X7S100V476 □□ 2220×3F	476	100	X7S	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY100V336 □□ 2220×3F	336	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY100V156 □□ 2220×3F	156	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY100V685 □□ 2220×3F	685	100	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY250V335 □□ 2220×3F	335	250	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X7T250V685 □□ 2220×3F	685	250	X7T	M	J、L	(G)、"S"、"J"
2220×3F	CT4904X7T450V335 □□ 2220×3F	335	450	X7T	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY500V155 □□ 2220×3F	155	500	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY630V155 □□ 2220×3F	155	630	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1kV684 □□ 2220×3F	684	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1kV334 □□ 2220×3F	334	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1kV154 □□ 2220×3F	154	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1kV683 □□ 2220×3F	683	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1kV333 □□ 2220×3F	333	1000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY1.5kV334 □□ 2220×3F	334	1500	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV154 □□ 2220×3F	154	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV333 □□ 2220×3F	333	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY2kV153 □□ 2220×3F	153	2000	BY	M	J、L	(G)、"S"、"J"
2220×3F	CT4904BY3kV103 □□ 2220×3F	103	3000	BY	M	J、L	(G)、"S"、"J"
3025×1F	CT4904BY50V226 □□ 3025×1F	226	50	BY	M	J、L	(G)、"S"、"J"
3025×2F	CT4904BY50V476 □□ 3025×2F	476	50	BY	M	J、L	(G)、"S"、"J"
3025×3F	CT4904BY50V686 □□ 3025×3F	686	50	BY	M	J、L	(G)、"S"、"J"
4045×1F	CT4904BY250V285 □□ 4045×1F	285	250	BY	K、M	J、L	(G)、"S"、"J"
4045×2F	CT4904BY250V565 □□ 4045×2F	565	250	BY	M	J、L	(G)、"S"、"J"
4045×3F	CT4904BY250V825 □□ 4045×3F	825	250	BY	M	J、L	(G)、"S"、"J"
4045×4F	CT4904BY250V126 □□ 4045×4F	126	250	BY	M	J、L	(G)、"S"、"J"
5545×1F	CT4904BY500V245 □□ 5545×1F	245	500	BY	K、M	J、L	(G)、"S"、"J"
5545×2F	CT4904BY500V475 □□ 5545×2F	475	500	BY	M	J、L	(G)、"S"、"J"
5545×3F	CT4904BY500V685 □□ 5545×3F	685	500	BY	M	J、L	(G)、"S"、"J"
5545×4F	CT4904BY500V106 □□ 5545×4F	106	500	BY	M	J、L	(G)、"S"、"J"
6878×1F	CT4904BY1kV475 □□ 6878×1F	475	1000	BY	K、M	J、L	(G)、"S"、"J"
6878×2F	CT4904BY1kV106 □□ 6878×2F	106	1000	BY	M	J、L	(G)、"S"、"J"
6878×3F	CT4904BY1kV156 □□ 6878×3F	156	1000	BY	M	J、L	(G)、"S"、"J"
6878×4F	CT4904BY1kV186 □□ 6878×4F	186	1000	BY	M	J、L	(G)、"S"、"J"
6878×5F	CT4904BY1kV246 □□ 6878×5F	246	1000	BY	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
Capacitance tolerance

FEATURES

- ① National military standard production line production, 100% of the products for temperature shock and high-temperature aging screening.
- 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. No polarity, easy installation.
- ③ Large capacity, more electrical capacity in the same area, customization allowable.
- ④ Low ESL and Low ESR Design.



USE OCCASIONS

Widely used in military communications, radar, artillery fuzes, shipboard and aerospace, aviation and other military ground electronic equipment and civil high-end equipment and other fields.

APPLICATIONS

Typical applications include Power bus filtering, especially for high-frequency switching power supply input/output filtering applications.

ORDERING INFORMATION

(G)	CT49	01-	1210P2-	2R1-	630V-	105	M-	J
Quality Grade	Series	Type	Case Size	Dielectric	Rated Voltage	Capacitance	Capacitance Tolerance	Termination Finish
(G): (G) LEVEL “S”: “S” LEVEL “J”: “J” LEVEL	CC49: CLASS I CT49: CLASS II	01: Horizontally stacked 04: Vertically stacked	1210: The chip size P2: 2 Layer structure	CG: (0 ± 30) ppm/°C (-55°C~125°C) 2R1: $\pm 15\%$ (-55°C~125°C) 2C1: $\pm 20\%$ (-55°C~125°C) 2R2: $\pm 15\%$ (-55°C~85°C) 2D1: -30%~20% (-55°C~125°C)	4V 6.3V 10V 16V 25V 50V 100V 250V 500V 630V 1kV 2kV	Refer to Capacitance and Rated Voltage Range	J= $\pm 5\%$ K= $\pm 10\%$ M= $\pm 20\%$	J= J PIN L= L PIN

ELECTRICAL CHARACTERISTICS

C_R Unit: μ F

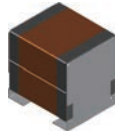
Characteristics	Dissipation Factor	Dielectric Strength	Insulation Resistance 25°C
CG	$\text{tg}\delta \leq 0.15\%$	$U_R < 200V \quad 2.5U_R$ $U_R = 200V \quad 2.0U_R$; $200V < U_R < 1000V \quad 1.5U_R$ $U_R \geq 1000V \quad 1.2U_R$ Test time: 5s $\pm$ 1s Note: Surge current $\leq 50mA$	$IR \geq 100M\Omega \cdot \mu F$, Take the smaller one
2R1	$U_R \leq 35V \quad \text{tg}\delta \leq 10\%$		
2C1	$U_R = 50V \quad \text{tg}\delta \leq 5.0\%$		
2D1	$50V < U_R \leq 100V \quad \text{tg}\delta \leq 3.5\%$ $U_R > 100V \quad \text{tg}\delta \leq 2.5\%$		
2R2	$\text{tg}\delta \leq 10\%$		

DIMENSIONS

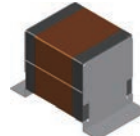
01 Type: Horizontally Stacked

Unit:mm

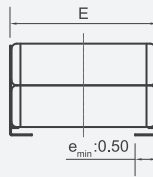
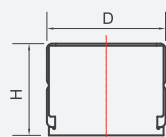
2 layer structure capacitors



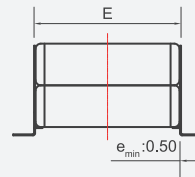
J PIN



L PIN



J PIN



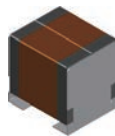
L PIN

Size Code	D	E	Hmax
1206P1	1.80±0.30	3.70±0.40	3.00
1206P2	1.80±0.30	3.70±0.40	5.00
1210P1	2.80±0.30	3.70±0.40	3.80
1210P2	2.80±0.30	3.70±0.40	7.00
1812P1	3.30±0.40	4.90±0.40	4.00
1812P2	3.30±0.40	4.90±0.40	7.50
2220P1	5.10±0.40	6.20±0.50	5.00
2220P2	5.10±0.40	6.20±0.50	9.00
2220P3	5.10±0.40	6.20±0.50	13.00
3025P1	6.40±0.40	8.20±0.50	6.50
3025P2	6.40±0.40	8.20±0.50	12.00
3025P3	6.40±0.40	8.20±0.50	17.50

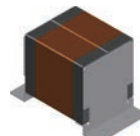
04 Type: Vertically Stacked

Unit:mm

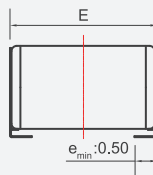
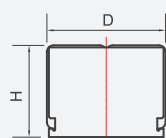
2 layer structure capacitors



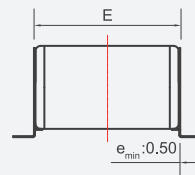
J PIN



L PIN



J PIN



L PIN

Size Code	Dmax	E	H
1206P2	4.00	3.70±0.40	2.60±0.30
1210P2	6.00	3.70±0.40	3.65±0.30
1812P2	7.00	4.90±0.40	4.20±0.40
2220P1	4.00	6.00±0.50	6.10±0.50
2220P2	7.50	6.00±0.50	6.10±0.50
2220P3	11.50	6.00±0.50	6.10±0.50
3025P1	5.50	8.20±0.50	7.40±0.50
3025P2	11.00	8.20±0.50	7.40±0.50
3025P3	16.50	8.20±0.50	7.40±0.50

ELECTRICAL CHARACTERISTICS
 C_R Unit: μF

Characteristics	Dissipation Factor	Dielectric Strength	Insulation Resistance
CG	$tg\delta \leq 0.15\%$	$U_R < 200V \quad 2.5U_R$ $U_R = 200V \quad 2.0U_R$; $200V < U_R < 1000V \quad 1.5U_R$ $U_R \geq 1000V \quad 1.2U_R$ Testing time: $5S \pm 1S$ Note: Charging and discharging current shall be 50mA or less.	$IR \geq 100M\Omega \cdot \mu F$, Take the smaller one
2R1	$U_R \leq 35V \quad tg\delta \leq 10\%$		
2C1	$U_R = 50V \quad tg\delta \leq 5.0\%$		
2D1	$50V < U_R \leq 100V \quad tg\delta \leq 3.5\%$		
2R2	$U_R > 100V \quad tg\delta \leq 2.5\%$		
	$tg\delta \leq 10\%$		

CAPACITANCE AND RATED VOLTAGE RANGE

CC4901P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1206P1	CC4901-1206P1-CG-50V-104 □ - □	104	50	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-50V-473 □ - □	473	50	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-50V-223 □ - □	223	50	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-100V-103 □ - □	103	100	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-100V-472 □ - □	472	100	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-500V-332 □ - □	332	500	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-630V-332 □ - □	332	630	CG	J, K	J, L	(G), "S", "J"
1206P1	CC4901-1206P1-CG-630V-102 □ - □	102	630	CG	J, K	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-50V-204 □ - □	204	50	CG	K, M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-50V-104 □ - □	104	50	CG	M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-50V-433 □ - □	433	50	CG	K, M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-100V-203 □ - □	203	100	CG	K, M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-100V-103 □ - □	103	100	CG	M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-500V-682 □ - □	682	500	CG	K, M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-630V-682 □ - □	682	630	CG	K, M	J, L	(G), "S", "J"
1206P2	CC4901-1206P2-CG-630V-202 □ - □	202	630	CG	K, M	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-50V-104 □ - □	104	50	CG	J, K	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-100V-104 □ - □	104	100	CG	J, K	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-100V-473 □ - □	473	100	CG	J, K	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-250V-223 □ - □	223	250	CG	J, K	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-250V-103 □ - □	103	250	CG	J, K	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-630V-222 □ - □	222	630	CG	J, K	J, L	(G), "S", "J"
1210P1	CC4901-1210P1-CG-1kV-102 □ - □	102	1kV	CG	J, K	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-50V-204 □ - □	204	50	CG	K, M	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-100V-204 □ - □	204	100	CG	K, M	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-100V-104 □ - □	104	100	CG	M	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-250V-433 □ - □	433	250	CG	K, M	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-250V-203 □ - □	203	250	CG	K, M	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-630V-432 □ - □	432	630	CG	K, M	J, L	(G), "S", "J"
1210P2	CC4901-1210P2-CG-1kV-202 □ - □	202	1kV	CG	K, M	J, L	(G), "S", "J"
1812P1	CC4901-1812P1-CG-50V-224 □ - □	224	50	CG	K, M	J, L	(G), "S", "J"
1812P1	CC4901-1812P1-CG-100V-104 □ - □	104	100	CG	J, K	J, L	(G), "S", "J"
1812P1	CC4901-1812P1-CG-500V-222 □ - □	222	500	CG	J, K	J, L	(G), "S", "J"
1812P2	CC4901-1812P2-CG-50V-434 □ - □	434	50	CG	K, M	J, L	(G), "S", "J"
1812P2	CC4901-1812P2-CG-100V-204 □ - □	204	100	CG	K, M	J, L	(G), "S", "J"
1812P2	CC4901-1812P2-CG-500V-432 □ - □	432	500	CG	K, M	J, L	(G), "S", "J"
2220P1	CC4901-2220P1-CG-50V-474 □ - □	474	50	CG	J, K	J, L	(G), "S", "J"
2220P1	CC4901-2220P1-CG-50V-334 □ - □	334	50	CG	J, K	J, L	(G), "S", "J"
2220P1	CC4901-2220P1-CG-100V-224 □ - □	224	100	CG	J, K	J, L	(G), "S", "J"
2220P1	CC4901-2220P1-CG-100V-104 □ - □	104	100	CG	J, K	J, L	(G), "S", "J"
2220P1	CC4901-2220P1-CG-1kV-223 □ - □	223	1kV	CG	J, K	J, L	(G), "S", "J"
2220P2	CC4901-2220P2-CG-50V-105 □ - □	105	50	CG	M	J, L	(G), "S", "J"
2220P2	CC4901-2220P2-CG-50V-684 □ - □	684	50	CG	K, M	J, L	(G), "S", "J"
2220P2	CC4901-2220P2-CG-100V-434 □ - □	434	100	CG	K, M	J, L	(G), "S", "J"
2220P2	CC4901-2220P2-CG-100V-204 □ - □	204	100	CG	K, M	J, L	(G), "S", "J"
2220P2	CC4901-2220P2-CG-1kV-433 □ - □	433	1kV	CG	K, M	J, L	(G), "S", "J"
2220P3	CC4901-2220P3-CG-50V-155 □ - □	155	50	CG	M	J, L	(G), "S", "J"
2220P3	CC4901-2220P3-CG-50V-105 □ - □	105	50	CG	K, M	J, L	(G), "S", "J"
2220P3	CC4901-2220P3-CG-100V-684 □ - □	684	100	CG	K, M	J, L	(G), "S", "J"
2220P3	CC4901-2220P3-CG-100V-304 □ - □	304	100	CG	K, M	J, L	(G), "S", "J"
2220P3	CC4901-2220P3-CG-1kV-683 □ - □	683	1kV	CG	K, M	J, L	(G), "S", "J"

Select the outlet form: J / L
Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CC4904P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1206P2	CC4904-1206P2-CG-50V-224 □ - □	224	50	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-50V-104 □ - □	104	50	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-50V-473 □ - □	473	50	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-100V-223 □ - □	223	100	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-100V-103 □ - □	103	100	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-250V-682 □ - □	682	250	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-500V-682 □ - □	682	500	CG	K、M	J、L	(G)、"S"、"J"
1206P2	CC4904-1206P2-CG-630V-682 □ - □	682	630	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-630V-222 □ - □	222	630	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-50V-224 □ - □	224	50	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-100V-224 □ - □	224	100	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-100V-104 □ - □	104	100	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-100V-473 □ - □	473	100	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-250V-223 □ - □	223	250	CG	K、M	J、L	(G)、"S"、"J"
1210P2	CC4904-1210P2-CG-500V-223 □ - □	223	500	CG	K、M	J、L	(G)、"S"、"J"
1812P2	CC4904-1812P2-CG-630V-223 □ - □	223	630	CG	K、M	J、L	(G)、"S"、"J"
1812P2	CC4904-1812P2-CG-630V-103 □ - □	103	630	CG	K、M	J、L	(G)、"S"、"J"
1812P2	CC4904-1812P2-CG-630V-472 □ - □	472	630	CG	K、M	J、L	(G)、"S"、"J"
2220P1	CC4904-2220P1-CG-1kV-222 □ - □	222	1kV	CG	K、M	J、L	(G)、"S"、"J"
2220P1	CC4904-2220P1-CG-50V-474 □ - □	474	50	CG	K、M	J、L	(G)、"S"、"J"
2220P1	CC4904-2220P1-CG-100V-224 □ - □	224	100	CG	K、M	J、L	(G)、"S"、"J"
2220P1	CC4904-2220P1-CG-50V-474 □ - □	474	50	CG	J、K	J、L	(G)、"S"、"J"
2220P1	CC4904-2220P1-CG-50V-334 □ - □	334	50	CG	J、K	J、L	(G)、"S"、"J"
2220P2	CC4904-2220P2-CG-100V-104 □ - □	104	100	CG	J、K	J、L	(G)、"S"、"J"
2220P2	CC4904-2220P2-CG-1kV-223 □ - □	223	1kV	CG	J、K	J、L	(G)、"S"、"J"
2220P2	CC4904-2220P2-CG-50V-105 □ - □	105	50	CG	K、M	J、L	(G)、"S"、"J"
2220P2	CC4904-2220P2-CG-50V-684 □ - □	684	50	CG	K、M	J、L	(G)、"S"、"J"
2220P2	CC4904-2220P2-CG-100V-224 □ - □	224	100	CG	K、M	J、L	(G)、"S"、"J"
2220P3	CC4904-2220P3-CG-1kV-473 □ - □	473	1kV	CG	K、M	J、L	(G)、"S"、"J"
2220P3	CC4904-2220P3-CG-50V-155 □ - □	155	50	CG	K、M	J、L	(G)、"S"、"J"
2220P3	CC4904-2220P3-CG-50V-105 □ - □	105	50	CG	K、M	J、L	(G)、"S"、"J"
2220P3	CC4904-2220P3-CG-100V-334 □ - □	334	100	CG	K、M	J、L	(G)、"S"、"J"
2220P3	CC4904-2220P3-CG-1kV-683 □ - □	683	1kV	CG	K、M	J、L	(G)、"S"、"J"
		Select the outlet form: J / L Capacitance tolerance					

CT4901P

Case size	Part NO.	Capacitance (μF)	Rated voltage (V)	Dielectric	Tolerance	Termination finish	Level
1206P1	CT4901-1206P1-2R2-4V-227 □ - □	227	4	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-6.3V-107 □ - □	107	6.3	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-10V-476 □ - □	476	10	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-10V-226 □ - □	226	10	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-16V-476 □ - □	476	16	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-16V-226 □ - □	226	16	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-25V-476 □ - □	476	25	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-25V-226 □ - □	226	25	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-25V-106 □ - □	106	25	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R2-50V-106 □ - □	106	50	2R2	M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-50V-106 □ - □	106	50	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-50V-475 □ - □	475	50	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-100V-225 □ - □	225	100	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-100V-105 □ - □	105	100	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-100V-474 □ - □	474	100	2R1	K、M	J、L	(G)、"S"、"J"
		Select the outlet form: J / L Capacitance tolerance					

CAPACITANCE AND RATED VOLTAGE RANGE

CT4901P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1206P1	CT4901-1206P1-2R1-100V-224 □ - □	224	100	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-100V-104 □ - □	104	100	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-200V-104 □ - □	104	200	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-250V-473 □ - □	473	250	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-500V-473 □ - □	473	500	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-500V-223 □ - □	223	500	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-500V-103 □ - □	103	500	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-630V-223 □ - □	223	630	2R1	K、M	J、L	(G)、"S"、"J"
1206P1	CT4901-1206P1-2R1-630V-103 □ - □	103	630	2R1	K、M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-4V-437 □ - □	437	4	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-10V-476 □ - □	476	10	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-16V-107 □ - □	107	16	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-16V-446 □ - □	446	16	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-25V-107 □ - □	107	25	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-25V-476 □ - □	476	25	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-25V-226 □ - □	226	25	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R2-50V-226 □ - □	226	50	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-50V-226 □ - □	226	50	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-50V-106 □ - □	106	50	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-100V-225 □ - □	225	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-100V-105 □ - □	105	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-100V-474 □ - □	474	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-100V-224 □ - □	224	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-200V-224 □ - □	224	200	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-250V-104 □ - □	104	250	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-500V-104 □ - □	104	500	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-500V-473 □ - □	473	500	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-500V-223 □ - □	223	500	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-630V-473 □ - □	473	630	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4901-1206P2-2R1-630V-223 □ - □	223	630	2R1	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R2-6.3V-107 □ - □	107	6.3	2R2	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-6.3V-476 □ - □	476	6.3	2R1	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-10V-476 □ - □	476	10	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R2-16V-107 □ - □	107	16	2R2	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2D1-16V-476 □ - □	476	16	2D1	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-16V-226 □ - □	226	16	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R2-25V-476 □ - □	476	25	2R2	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-25V-226 □ - □	226	25	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-50V-106 □ - □	106	50	2R1	M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2C1-63V-106 □ - □	106	63	2C1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2C1-100V-475 □ - □	475	100	2C1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-100V-335 □ - □	335	100	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-100V-225 □ - □	225	100	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-100V-105 □ - □	105	100	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-100V-474 □ - □	474	100	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-250V-474 □ - □	474	250	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-250V-224 □ - □	224	250	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2D1-450V-224 □ - □	224	450	2D1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-500V-104 □ - □	104	500	2R1	K、M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4901P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1210P1	CT4901-1210P1-2R1-630V-473 □ - □	473	630	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-630V-223 □ - □	223	630	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-1kV-473 □ - □	473	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-1kV-223 □ - □	223	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-1kV-153 □ - □	153	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1210P1	CT4901-1210P1-2R1-1kV-103 □ - □	103	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R2-6.3V-437 □ - □	437	6.3	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-6.3V-107 □ - □	107	6.3	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-10V-107 □ - □	107	10	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R2-16V-227 □ - □	227	16	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2D1-16V-107 □ - □	107	16	2D1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-16V-476 □ - □	476	16	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R2-25V-107 □ - □	107	25	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-25V-476 □ - □	476	25	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-50V-206 □ - □	206	50	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2C1-63V-226 □ - □	226	63	2C1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2C1-100V-106 □ - □	106	100	2C1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-100V-685 □ - □	685	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-100V-225 □ - □	225	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-100V-105 □ - □	105	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-250V-105 □ - □	105	250	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-250V-474 □ - □	474	250	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2D1-450V-474 □ - □	474	450	2D1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-500V-224 □ - □	224	500	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-630V-104 □ - □	104	630	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-630V-473 □ - □	473	630	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-1kV-104 □ - □	104	1kV	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-1kV-473 □ - □	473	1kV	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-1kV-333 □ - □	333	1kV	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4901-1210P2-2R1-1kV-223 □ - □	223	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R2-6.3V-107 □ - □	107	6.3	2R2	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-6.3V-336 □ - □	336	6.3	2R1	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-10V-336 □ - □	336	10	2R1	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R2-16V-476 □ - □	476	16	2R2	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-16V-226 □ - □	226	16	2R1	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R2-25V-476 □ - □	476	25	2R2	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-25V-226 □ - □	226	25	2R1	M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-50V-106 □ - □	106	50	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-50V-475 □ - □	475	50	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2C1-100V-475 □ - □	475	100	2C1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-100V-225 □ - □	225	100	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-100V-105 □ - □	105	100	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-250V-474 □ - □	474	250	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-500V-224 □ - □	224	500	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-630V-224 □ - □	224	630	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-630V-104 □ - □	104	630	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-1kV-104 □ - □	104	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-1kV-473 □ - □	473	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-1kV-223 □ - □	223	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1812P1	CT4901-1812P1-2R1-1kV-103 □ - □	103	1kV	2R1	K、M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L

Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4901P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1812P2	CT4901-1812P2-2R1-6.3V-686 □ - □	686	6.3	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-10V-686 □ - □	686	10	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R2-16V-107 □ - □	107	16	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-16V-476 □ - □	476	16	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R2-25V-107 □ - □	107	25	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-25V-476 □ - □	476	25	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-50V-226 □ - □	226	50	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-50V-106 □ - □	106	50	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2C1-100V-106 □ - □	106	100	2C1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-100V-225 □ - □	225	100	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-250V-105 □ - □	105	250	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-500V-474 □ - □	474	500	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-630V-474 □ - □	474	630	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-630V-224 □ - □	224	630	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-1kV-224 □ - □	224	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-1kV-104 □ - □	104	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-1kV-473 □ - □	473	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4901-1812P2-2R1-1kV-223 □ - □	223	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-16V-476 □ - □	476	16	2R1	M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-25V-476 □ - □	476	25	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-25V-226 □ - □	226	25	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-50V-226 □ - □	226	50	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2C1-50V-156 □ - □	156	50	2C1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-50V-106 □ - □	106	50	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2C1-100V-156 □ - □	156	100	2C1	M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-100V-106 □ - □	106	100	2R1	M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-100V-475 □ - □	475	100	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-100V-225 □ - □	225	100	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-250V-105 □ - □	105	250	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2D1-250V-225 □ - □	225	250	2D1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2D1-450V-105 □ - □	105	450	2D1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-500V-474 □ - □	474	500	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-630V-474 □ - □	474	630	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-1kV-224 □ - □	224	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-1kV-104 □ - □	104	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-1kV-473 □ - □	473	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-1kV-223 □ - □	223	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-1kV-103 □ - □	103	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-1.5kV-104 □ - □	104	1.5kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-2kV-473 □ - □	473	2kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-2kV-103 □ - □	103	2kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-2kV-472 □ - □	472	2kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4901-2220P1-2R1-3kV-332 □ - □	332	3kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-16V-107 □ - □	107	16	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-25V-107 □ - □	107	25	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-25V-476 □ - □	476	25	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-50V-476 □ - □	476	50	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2C1-50V-336 □ - □	336	50	2C1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-50V-226 □ - □	226	50	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2C1-100V-336 □ - □	336	100	2C1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-100V-226 □ - □	226	100	2R1	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4901P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
2220P2	CT4901-2220P2-2R1-100V-106 □ - □	106	100	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-250V-225 □ - □	225	250	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2D1-250V-475 □ - □	475	250	2D1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2D1-450V-225 □ - □	225	450	2D1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-500V-105 □ - □	105	500	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-630V-105 □ - □	105	630	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-1kV-474 □ - □	474	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-1kV-224 □ - □	224	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-1kV-104 □ - □	104	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-1kV-473 □ - □	473	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-1kV-223 □ - □	223	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-1.5kV-224 □ - □	224	1.5kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-2kV-104 □ - □	104	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-2kV-223 □ - □	223	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-2kV-103 □ - □	103	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4901-2220P2-2R1-3kV-682 □ - □	682	3kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R2-10V-337 □ - □	337	10	2R2	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-16V-157 □ - □	157	16	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-25V-157 □ - □	157	25	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-25V-686 □ - □	686	25	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-50V-686 □ - □	686	50	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2C1-50V-476 □ - □	476	50	2C1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-50V-336 □ - □	336	50	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2C1-100V-476 □ - □	476	100	2C1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-100V-336 □ - □	336	100	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-100V-156 □ - □	156	100	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-100V-685 □ - □	685	100	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-250V-335 □ - □	335	250	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2D1-250V-685 □ - □	685	250	2D1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2D1-450V-335 □ - □	335	450	2D1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-500V-155 □ - □	155	500	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-630V-155 □ - □	155	630	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-1kV-684 □ - □	684	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-1kV-334 □ - □	334	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-1kV-154 □ - □	154	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-1kV-683 □ - □	683	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-1kV-333 □ - □	333	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-1.5kV-334 □ - □	334	1.5kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-2kV-154 □ - □	154	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-2kV-333 □ - □	333	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-2kV-153 □ - □	153	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4901-2220P3-2R1-3kV-103 □ - □	103	3kV	2R1	M	J、L	(G)、"S"、"J"
3025P1	CT4901-3025P1-2R1-50V-226 □ - □	226	50V	2R1	K、M	J、L	(G)、"S"、"J"
3025P2	CT4901-3025P2-2R1-50V-476 □ - □	476	50V	2R1	M	J、L	(G)、"S"、"J"
3025P3	CT4901-3025P3-2R1-50V-686 □ - □	686	50V	2R1	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L

Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4904P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1206P2	CT4904-1206P2-2R2-4V-437 □ - □	437	4	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-10V-476 □ - □	476	10	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-16V-107 □ - □	107	16	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-16V-446 □ - □	446	16	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-25V-107 □ - □	107	25	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-25V-476 □ - □	476	25	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-25V-226 □ - □	226	25	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R2-50V-226 □ - □	226	50	2R2	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-50V-226 □ - □	226	50	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-50V-106 □ - □	106	50	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-100V-225 □ - □	225	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-100V-105 □ - □	105	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-100V-474 □ - □	474	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-100V-224 □ - □	224	100	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-200V-224 □ - □	224	200	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-250V-104 □ - □	104	250	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-500V-104 □ - □	104	500	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-500V-473 □ - □	473	500	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-500V-223 □ - □	223	500	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-630V-473 □ - □	473	630	2R1	M	J、L	(G)、"S"、"J"
1206P2	CT4904-1206P2-2R1-630V-223 □ - □	223	630	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R2-6.3V-437 □ - □	437	6.3	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-6.3V-107 □ - □	107	6.3	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-10V-107 □ - □	107	10	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R2-16V-227 □ - □	227	16	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2D1-16V-107 □ - □	107	16	2D1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-16V-476 □ - □	476	16	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R2-25V-107 □ - □	107	25	2R2	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-25V-476 □ - □	476	25	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-50V-206 □ - □	206	50	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2C1-63V-226 □ - □	226	63	2C1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2C1-100V-106 □ - □	106	100	2C1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-100V-685 □ - □	685	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-100V-225 □ - □	225	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-100V-105 □ - □	105	100	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-250V-105 □ - □	105	250	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-250V-474 □ - □	474	250	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2D1-450V-474 □ - □	474	450	2D1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-500V-224 □ - □	224	500	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-630V-104 □ - □	104	630	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-630V-473 □ - □	473	630	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-1kV-104 □ - □	104	1kV	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-1kV-473 □ - □	473	1kV	2R1	M	J、L	(G)、"S"、"J"
1210P2	CT4904-1210P2-2R1-1kV-333 □ - □	333	1kV	2R1	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4904P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
1210P2	CT4904-1210P2-2R1-1kV-223 □ - □	223	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R2-6.3V-227 □ - □	227	6.3	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-6.3V-686 □ - □	686	6.3	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-10V-686 □ - □	686	10	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R2-16V-107 □ - □	107	16	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-16V-476 □ - □	476	16	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R2-25V-107 □ - □	107	25	2R2	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-25V-476 □ - □	476	25	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-50V-226 □ - □	226	50	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-50V-106 □ - □	106	50	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2C1-100V-106 □ - □	106	100	2C1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-100V-225 □ - □	225	100	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-250V-105 □ - □	105	250	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-500V-474 □ - □	474	500	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-630V-474 □ - □	474	630	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-630V-224 □ - □	224	630	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-1kV-224 □ - □	224	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-1kV-104 □ - □	104	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-1kV-473 □ - □	473	1kV	2R1	M	J、L	(G)、"S"、"J"
1812P2	CT4904-1812P2-2R1-1kV-223 □ - □	223	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R2-10V-107 □ - □	107	10	2R2	M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-16V-476 □ - □	476	16	2R1	M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-25V-476 □ - □	476	25	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-25V-226 □ - □	226	25	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-50V-226 □ - □	226	50	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2C1-50V-156 □ - □	156	50	2C1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-50V-106 □ - □	106	50	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2C1-100V-156 □ - □	156	100	2C1	M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-100V-106 □ - □	106	100	2R1	M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-100V-475 □ - □	475	100	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-100V-225 □ - □	225	100	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-250V-105 □ - □	105	250	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2D1-250V-225 □ - □	225	250	2D1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2D1-450V-105 □ - □	105	450	2D1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-500V-474 □ - □	474	500	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-630V-474 □ - □	474	630	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-1kV-224 □ - □	224	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-1kV-104 □ - □	104	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-1kV-473 □ - □	473	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-1kV-223 □ - □	223	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-1kV-103 □ - □	103	1kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-1.5kV-104 □ - □	104	1.5kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-2kV-473 □ - □	473	2kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-2kV-103 □ - □	103	2kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-2kV-472 □ - □	472	2kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P1	CT4904-2220P1-2R1-3kV-332 □ - □	332	3kV	2R1	K、M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R2-10V-227 □ - □	227	10	2R2	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-16V-107 □ - □	107	16	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-25V-107 □ - □	107	25	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-25V-476 □ - □	476	25	2R1	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
Capacitance tolerance

CAPACITANCE AND RATED VOLTAGE RANGE

CT4904P

Case Size	Part NO.	Capacitance (μF)	Rated Voltage (V)	Dielectric	Tolerance	Termination Finish	Level
2220P2	CT4904-2220P2-2R1-50V-476 □ - □	476	50	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2C1-50V-336 □ - □	336	50	2C1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-50V-226 □ - □	226	50	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2C1-100V-336 □ - □	336	100	2C1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-100V-226 □ - □	226	100	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-100V-106 □ - □	106	100	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-100V-475 □ - □	475	100	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-250V-225 □ - □	225	250	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2D1-250V-475 □ - □	475	250	2D1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2D1-450V-225 □ - □	225	450	2D1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-500V-105 □ - □	105	500	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-630V-105 □ - □	105	630	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-1kV-474 □ - □	474	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-1kV-224 □ - □	224	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-1kV-104 □ - □	104	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-1kV-473 □ - □	473	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-1kV-223 □ - □	223	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-1.5kV-224 □ - □	224	1.5kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-2kV-104 □ - □	104	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-2kV-223 □ - □	223	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-2kV-103 □ - □	103	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P2	CT4904-2220P2-2R1-3kV-682 □ - □	682	3kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R2-10V-337 □ - □	337	10	2R2	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-16V-157 □ - □	157	16	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-25V-157 □ - □	157	25	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-25V-686 □ - □	686	25	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-50V-686 □ - □	686	50	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2C1-50V-476 □ - □	476	50	2C1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-50V-336 □ - □	336	50	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2C1-100V-476 □ - □	476	100	2C1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-100V-336 □ - □	336	100	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-100V-156 □ - □	156	100	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-100V-685 □ - □	685	100	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-250V-335 □ - □	335	250	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2D1-250V-685 □ - □	685	250	2D1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2D1-450V-335 □ - □	335	450	2D1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-500V-155 □ - □	155	500	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-630V-155 □ - □	155	630	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-1kV-684 □ - □	684	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-1kV-334 □ - □	334	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-1kV-154 □ - □	154	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-1kV-683 □ - □	683	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-1kV-333 □ - □	333	1kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-1.5kV-334 □ - □	334	1.5kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-2kV-154 □ - □	154	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-2kV-333 □ - □	333	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-2kV-153 □ - □	153	2kV	2R1	M	J、L	(G)、"S"、"J"
2220P3	CT4904-2220P3-2R1-3kV-103 □ - □	103	3kV	2R1	M	J、L	(G)、"S"、"J"
3025P1	CT4904-3025P1-2R1-50V-226 □ - □	226	50V	2R1	K、M	J、L	(G)、"S"、"J"
3025P2	CT4904-3025P2-2R1-50V-476 □ - □	476	50V	2R1	M	J、L	(G)、"S"、"J"
3025P3	CT4904-3025P3-2R1-50V-686 □ - □	686	50V	2R1	M	J、L	(G)、"S"、"J"

Select the outlet form: J / L
Capacitance tolerance

APPLICATION GUIDANCE OF MULTILAYER CERAMIC CAPACITOR

STORAGE

To maintain the solderability of terminal electrodes and to keep packaging materials in good condition, care must be taken to control temperature and humidity.

Recommended conditions

Temperature: Below 40°C

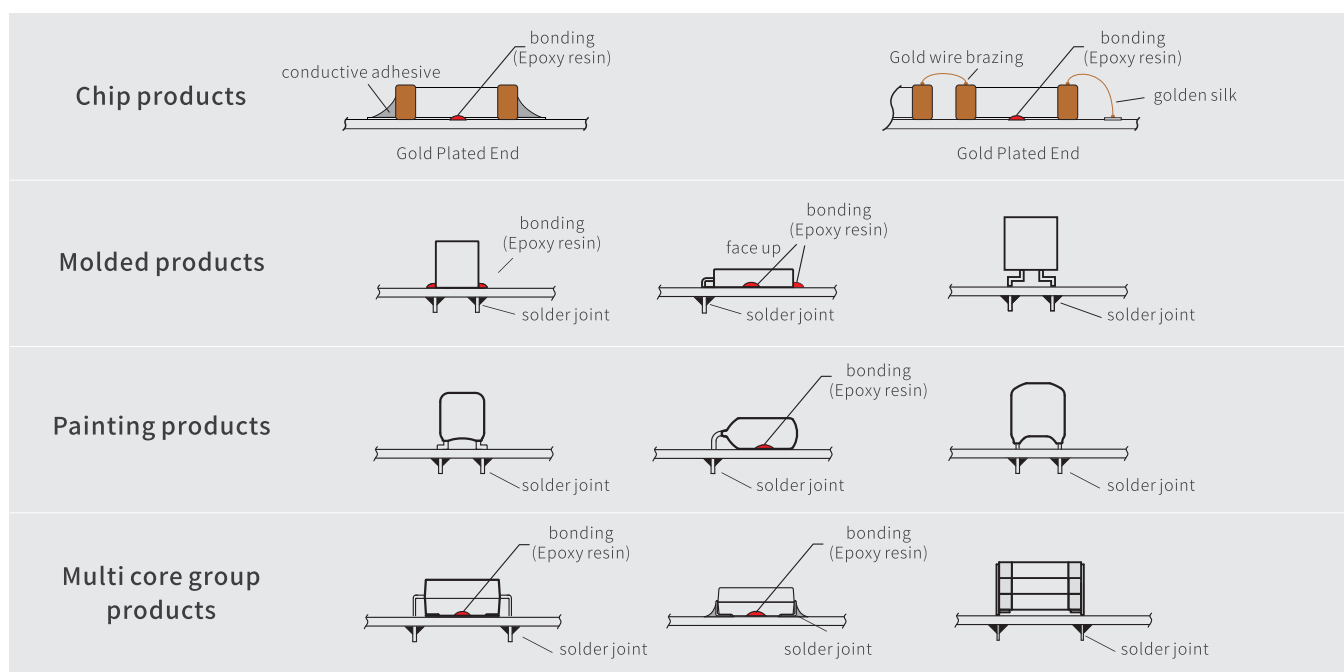
Humidity: Below 70% RH

Even under ideal storage conditions, solderability of capacitor is deteriorated as time passes, so capacitors shall be used within 12 months from the time of delivery. If exceeding the above period, please check solderability before using the capacitors.

HEAT TREATMENT

The capacitance values of high dielectric constant capacitors will gradually decrease with the passage of time, so care shall be taken to design circuits. Even if capacitance value decreases as time passes, it will get back to the initial value by a heat treatment at 150°C for 1 hour.

RECOMMENDED INSTALLATION METHOD



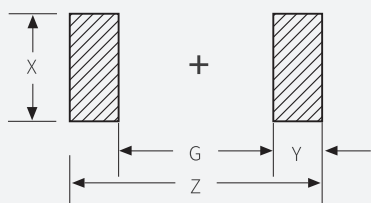
OPTIONAL WELDING METHODS

- (1) Reflow soldering
- (2) Wave soldering (wave soldering is not suitable for large-sized products above 1210 and multi-core products)
- (3) Manual welding (special attention should be paid to avoiding thermal shock for large-sized products above 1210)
- (4) Metal wire brazing (only for gold-plated end products)

APPLICATION GUIDANCE OF MULTILAYER CERAMIC CAPACITOR

CHIP CAPACITOR GROUNDING TYPES DESIGN RECOMMENDATIONS

Multilayer ceramic capacitor

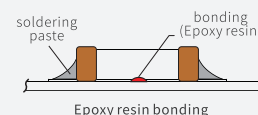


Reflow soldering pad size

unit:mm

Size	Z		G		X		Y	
	min	max	min	max	min	max	min	max
0201	0.60	1.10	0.20	0.30	0.30	0.50	0.20	0.30
0402	1.25	1.60	0.45	0.60	0.50	0.80	0.30	0.50
0603	2.00	2.60	0.80	1.00	0.80	1.00	0.60	0.80
0805	2.00	3.80	0.80	1.20	1.35	1.60	0.70	1.30
0505	1.50	3.00	0.50	1.00	1.40	2.00	0.50	1.00
1206	3.80	5.70	1.80	2.50	1.60	2.00	1.00	1.60
1111	3.30	5.50	1.30	2.50	2.80	3.40	1.00	1.50
1210	3.80	5.70	1.80	2.50	2.50	3.20	1.00	1.60
1808	5.30	7.50	2.50	3.70	2.20	2.30	1.20	1.90
1812	5.30	7.50	2.50	3.70	3.20	3.50	1.20	1.90
2220	5.60	9.30	3.20	4.70	5.00	5.50	1.20	2.30
2225	5.60	9.30	3.20	4.70	6.60	6.80	1.20	2.30
3035	6.50	12.00	3.30	6.00	9.00	9.50	1.60	3.00
3640	9.20	13.60	4.60	8.50	10.20	11.80	1.60	3.00
3838	8.60	15.30	7.00	10.50	10.20	11.20	0.80	2.40
4045	10.20	14.60	7.00	8.60	11.40	12.00	1.60	3.00
5868	14.70	19.20	11.50	13.20	17.30	18.20	1.60	3.00
6575	16.50	21.00	13.30	15.00	19.10	20.10	1.60	3.00
6878	17.30	21.00	13.50	15.50	19.80	20.30	1.60	3.00

Note: For chip products with dimensions of 5868 and above, it is recommended to use epoxy resin bonding during soldering to enhance the stability of the product installation on the circuit board, as shown on the right.



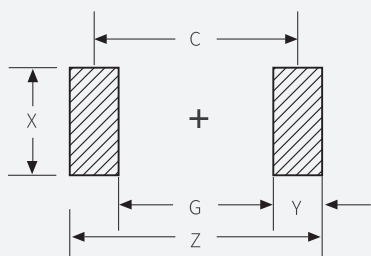
Wave soldering pad size

Unit:mm

Size	Z		G		X		Y	
	min	max	min	max	min	max	min	max
0603	1.70	2.60	0.50	1.00	0.80	1.00	0.60	0.80
0805	2.60	4.40	1.00	1.40	1.35	1.60	0.70	1.30
1206	3.80	5.70	1.80	2.50	1.60	2.00	1.00	1.60
1210	3.80	5.70	1.80	2.50	2.50	3.20	1.00	1.60

*0201, 0402, 1111, 1210 and larger sizes are not recommended for wave soldering

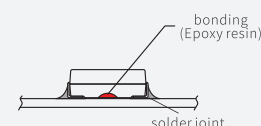
Molded surface-mount ceramic capacitor



Reflow soldering pad size

Unit:mm

Code	Z	G	X	Y	C
A	4.70	0.80	1.50	1.95	2.75
B	5.00	1.10	2.50	1.95	3.05
C	7.60	2.50	2.50	2.55	5.05
G	6.80	1.80	3.00	2.50	4.50
V	8.90	3.80	3.30	2.55	6.35
D、E	8.90	3.80	2.70	2.55	6.35
N	14.20	8.20	3.20	3.00	11.20
J	9.20	3.80	5.40	2.70	6.50
M	14.70	6.70	5.40	4.00	10.70
Q	14.70	6.70	9.50	4.00	10.70
T	22.50	14.50	5.40	4.00	18.50
L	33.50	21.50	6.80	6.00	27.50



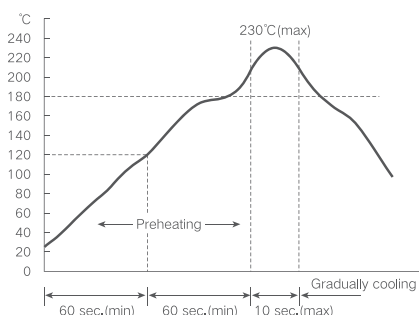
APPLICATION GUIDANCE OF MULTILAYER CERAMIC CAPACITOR

SOLDERING

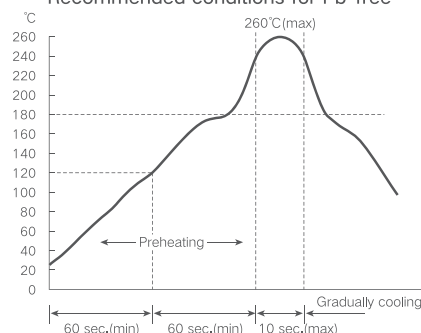
Ceramic chip capacitors are susceptible to thermal shock when exposed to rapid or concentrated heating or rapid cooling. Therefore, the soldering must be conducted with great care so as to prevent malfunction of the components due to excessive thermal shock.

[Reflow Soldering]

Recommended conditions for SnPb

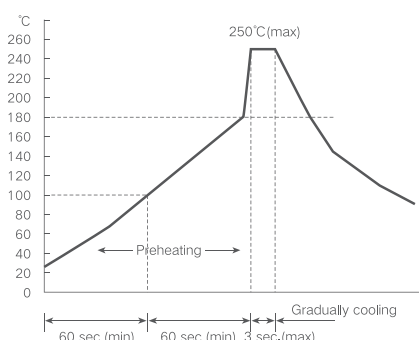


Recommended conditions for Pb-free

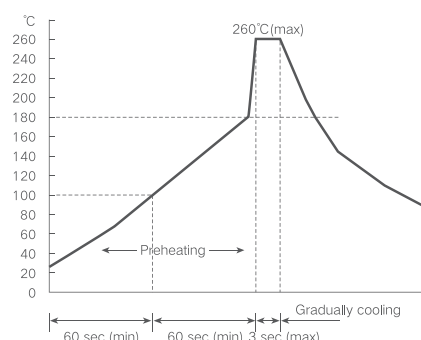


[Wave Soldering]

Recommended conditions for SnPb

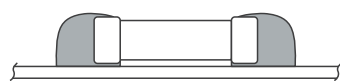


Recommended conditions for Pb-free

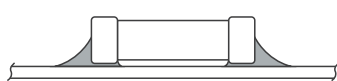


CAUTION:

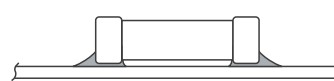
If the solder amount is excessive, the risk of cracking is higher during board bending or any other stressful condition. Too little solder amount results in a lack of adhesive strength on the termination, which may result in chips breaking loose from the PCB.



Too much



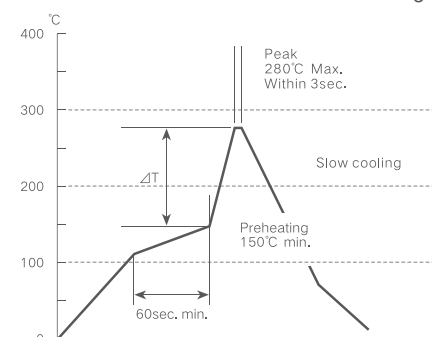
Just right



Too little

[Hand soldering]

Recommended conditions for Hand-soldering



Size	ΔT
1206 or less	$\leq 150^{\circ}\text{C}$
1210 or more	$\leq 130^{\circ}\text{C}$

CAUTION:

1. Use a maximum tip diameter of 1.0 mm.
2. The soldering iron shall not directly touch capacitors, soldering for 1 times.

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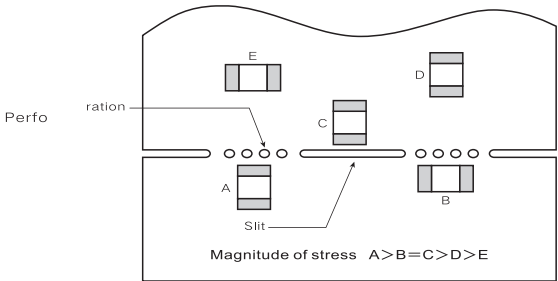
1. The following is examples of good and bad capacitor layouts, capacitors shall be located to minimize any possible mechanical stresses from board warp or deflection.

Not recommended	Recommended
	Place the product at a right angle to the direction of the anticipated mechanical stress.

Capacitor was cracked by external mechanical stress such as board distortion and twist applied after mounting.

Step 1	Step 2	Step 3	Step 4
Chip mounting	Solder fillet formation	Board stress application	Crack generation

2. The amount of mechanical stresses given will vary depending on capacitor layout.Please refer to the right figure.



3. When PCB is split,the amount of mechanical stress on the capacitors can vary according to the method used.The following methods are listed in order from most stressful to least stressful:push-back,slit,V-grooving,and perforation.Thus,please consider the PCB,split methods as well as chip location.

ADJUSTMENT OF MOUNTING MACHINE

When the bottom dead center of a pick-up nozzle is too low,excessive force is imposed on capacitors and causes damages.To avoid this,the following points shall be considerable.

1. The bottom dead center of the pick-up nozzle shall be adjusted to the surface level of PCB without the board deflection.
2. The pressure of nozzle shall be adjusted between 1 and 3 N static loads.
3. To reduce the amount of deflection of the board caused by impact of the pick-up nozzle, supporting pins or back-up pins shall be used on the other side of the PCB.The following diagrams show typical example of good and bad pick-up nozzle placement:

Improper Method	Proper Method