

# JT Series

## 性能特点 Feature

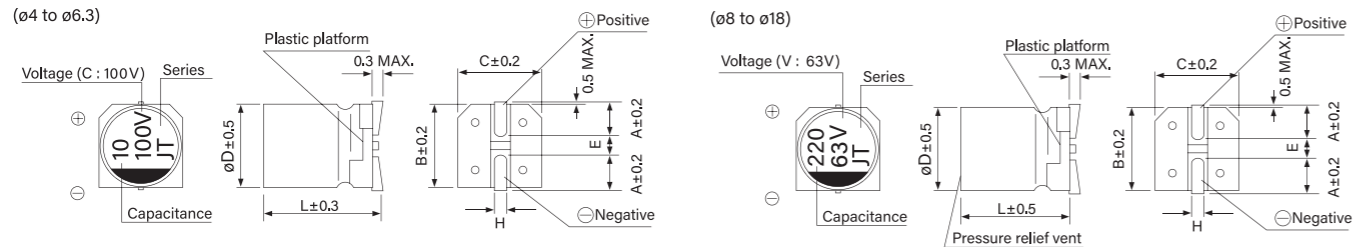
- 产品直径 Case diameter:  $\phi 4\text{mm} - \phi 18\text{mm}$ .
- 适用于再流焊 Reflow soldering is available.
- 适用于高密度表面组装 Available for high density surface mounting.
- ROHS 指令已对应完毕 Adapted to the ROHS directive.



## 技术性能 Specifications

项目 Item	特性 Performance Characteristics							
使用温度范围 Operating temperature range	-55~+105°C(63~400V)				-25~+105°C(450V)			
额定电压范围 Rated voltage range	63~450V							
标称容量范围 Nominal capacitance range	1~1000 $\mu\text{F}$							
标称容量允许偏差 Capacitance tolerance	$\pm 20\%$ (120Hz, +20°C)							
漏电流 Leakage current	4~10 $\phi$ (63~100V) $I \leq 0.01C_R V_R$ ( $\mu\text{A}$ ) or 3( $\mu\text{A}$ ), 12.5~18 $\phi$ (63~100V) $I \leq 0.03C_R V_R$ ( $\mu\text{A}$ ) or 4( $\mu\text{A}$ ) 12.5~18 $\phi$ (160~450V) $I \leq 0.04C_R V_R$ ( $\mu\text{A}$ ) + 100 $\mu\text{A}$ 2 分钟 取较大者 $C_R$ : 标称容量 ( $\mu\text{F}$ ) $U_R$ : 额定电压 (V) (at 20°C, after 2 minutes) (whichever is greater) $C_R$ : Nominal Capacitance $U_R$ : Rated voltage (V)							
损耗角正切值 (tg $\delta$ ) Dissipation factor (+20°C~120Hz)	$U_R$ (V)	63	100	160	200	250	400	450
	tg $\delta$	0.14	0.12	0.20	0.20	0.20	0.25	0.25
耐久性 Load life	+105°C 施加额定电压 2000 小时后, 电容器应满足以下要求: After applying the rated voltage at +105°C for 2000 hours, the capacitor shall meet the following requirements: 电容量变化率 Capacitance change: $\pm 20\%$ 初始测量值以内 ( $< \phi 8$ : $\pm 25\%$ 初始值以内) Within $\pm 20\%$ of the initial value ( $< \phi 8$ Within $\pm 25\%$ of the initial value) 漏电流 Leakage current: $\leq$ 初始规定值 $\leq$ the initial specified value 损耗角正切值 Dissipation factor: $\leq 200\%$ 初始规定值 ( $< \phi 8$ : $\leq 300\%$ 初始规定值) $\leq 200\%$ of the initial specified value ( $< \phi 8 \leq 300\%$ of the initial specified value)							
高温储存 Shelf life	+105°C 贮存 1000 小时后, 电容器应满足以上耐久性要求: After storage for 1000 hours at +105°C, the capacitors shall meet the requirement of load life above.							
低温特性 Low Temperature Stability	$U_R$ (V)	63	100	160	200	250	400	450
阻抗比 Impedance Ratio(120Hz)	Z-25°C/Z+20°C	2	2	3	3	3	6	6
	Z-40°C/Z+20°C	3	3	6	6	6	10	10
耐焊接热 Resistance to Soldering Heat	在 250°C 的条件下, 电容器在热板上保持 30 秒, 然后从热板上取出电容器, 让其在室温下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement. 电容量变化率 Capacitance change: $\pm 10\%$ 初始测量值以内 Within $\pm 10\%$ of the initial value 漏电流 Leakage current: $\leq$ 初始规定值 $\leq$ the initial specified value 损耗角正切值 Dissipation factor: $\leq$ 初始规定值 $\leq$ the initial specified value							

## 尺寸和标记 Dimensions And Marking



\* 适用于 Apply to  $\phi 6.3 \times 7.7$

	4x5.4	5x5.4	6.3x5.4	6.3x7.7	6.3x10.5	8x10.5	8x12.5	10x10.5	10x12.5	12.5x13.5	12.5x16.5	16x16.5	18x16.5	18x21.5
A	1.8	2.1	2.4	2.4	2.4	2.9	2.9	3.2	3.2	4.8	4.8	5.8	6.8	6.8
B	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3	10.3	13	13	17	19	19
C	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3	10.3	13	13	17	19	19
E	1.0	1.3	2.2	2.2	2.2	3.1	3.1	4.5	4.5	4.4	4.4	6.4	6.4	6.4
L	5.4	5.4	5.4	7.7	10.5	10.5	12.5	10.5	12.5	13.5	16.5	16.5	16.5	21.5
H	0.5~0.8	0.5~0.8	0.5~0.8	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1	0.8~1.1	0.8~1.1	1.1~1.4	1.1~1.4	1.1~1.4	1.1~1.4	1.1~1.4

# JT Series

## 标准评级 Standard Ratings

额定纹波电流 Rated Ripple Current (mA, +105°C, 120Hz)

电压 $U_R$ 容量 $C_R$ ( $\mu\text{F}$ )	63		100		160		200		250		400		450	
	Case Size $\phi D \times L$ (mm)	Ripple	Case Size $\phi D \times L$ (mm)	Ripple	Case Size $\phi D \times L$ (mm)	Ripple	Case Size $\phi D \times L$ (mm)	Ripple	Case Size $\phi D \times L$ (mm)	Ripple	Case Size $\phi D \times L$ (mm)	Ripple	Case Size $\phi D \times L$ (mm)	Ripple
1.0	4x5.4	8	5x5.4	30	6.3x7.7	70	6.3x10.5	90	6.3x10.5	80	6.3x10.5	70	6.3x10.5	60
2.2	4x5.4	12	5x5.4	32	6.3x7.7	70	6.3x10.5	95	6.3x10.5	85	6.3x10.5	75	6.3x10.5	65
3.3	4x5.4	22	5x5.4	35	6.3x7.7	70	6.3x10.5	100	6.3x10.5	90	8x12.5	85	8x12.5	75
4.7	5x5.4	25	5x5.4	40	6.3x7.7	75	8x10.5	120	8x12.5	100	8x12.5	85	10x12.5	80
6.8	6.3x5.4	30	6.3x5.4	60	6.3x7.7	80	8x10.5	120	8x12.5	100	10x12.5	95	10x12.5	80
10	6.3x5.4	40	6.3x7.7	70	8x10.5	90	10x10.5	150	10x12.5	120	10x12.5	95	10x12.5	80
22	6.3x7.7	45	8x10.5	90	10x12.5	180	12.5x13.5	240	12.5x13.5	150	16x16.5	140	16x16.5	120
33	8x10.5	139	8x10.5	90	12.5x13.5	290	12.5x16.5	310	12.5x16.5	240	16x16.5	140	18x16.5	180
47	8x10.5	139	10x10.5	160	12.5x16.5	370	16x16.5	420	16x16.5	340	18x16.5	280	18x21.5	250
68	10x10.5	160	12.5x13.5	380	16x16.5	500	16x16.5	420	16x16.5	340	18x21.5	350		
100	10x10.5	226	12.5x13.5	400	18x16.5	650	16x21.5	590	18x21.5	490				
150	10x12.5	300	12.5x16.5	500										
220	12.5x13.5	500	16x16.5	600										
330	12.5x16.5	600	18x16.5	780										
470	16x16.5	850	18x21.5	850										
680	18x16.5	1100												
1000	18x21.5	1400												

\* 支持客户根据需求定制 Support Customer Customization According To Demand

## 允许纹波电流的频率校正系数 Frequency Correction Factor Of Allowable Ripple Current

Frequency 频率	50Hz	120Hz	300Hz	1KHz	10K~100Hz
Coefficient 系数	0.70	1.00	1.17	1.36	1.50