

JT Series

性能特点 Feature

- 产品直径 Case diameter: $\varnothing 4\text{mm}$ - $\varnothing 18\text{mm}$.
- 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.

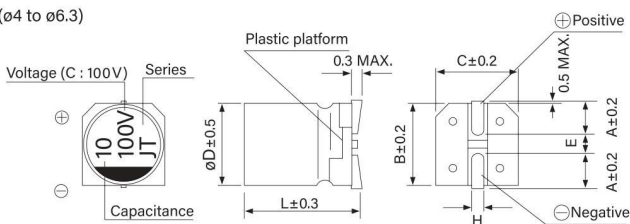


技术性能 Specifications

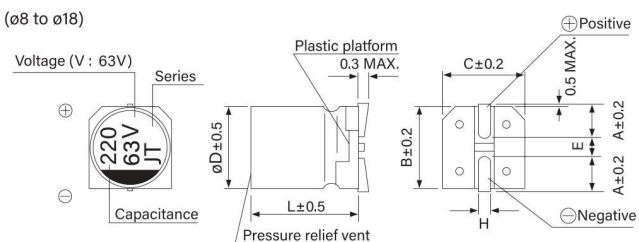
项目 Item	特性 Performance Characteristics							
使用温度范围 Operating temperature range	-55~+105°C(63~400V)				-25~+105°C(450V)			
额定电压范围 Rated voltage range	63~450V							
标称电容量范围 Nominal capacitance range	1~1000μF							
标称电容量允许偏差 Capacitance tolerance	±20%(120Hz, +20°C)							
漏电流 Leakage current	4~10ø (63~100V) I ≤ 0.01C _R V _R (μA) or 3(μA), 12.5~18ø(63~100V) I ≤ 0.03C _R V _R (μA) or 4(μA) 12.5~18ø (160~450V) I ≤ 0.04C _R V _R (μA)+100μA 2 分钟 取较大者 C _R : 标称电容量 (μF) 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 δ) Dissipation factor (+20°C~120Hz)	U _R (V)	63	100	160	200	250	400	450
	tg δ	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 : ±20% 初始测量值以内 (< ø8 : ±25% 初始值以内) Within ±20% of the initial value (< ø8 Within ±25% of the initial value) 漏电流 Leakage current : ≤ 初始规定值 ≤ the initial specified value 损耗角正切值 Dissipation factor : ≤ 200% 初始规定值 (< ø8 : ≤ 300% 初始规定值) ≤ 200% of the initial specified value (< ø8 ≤ 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 aboveoe							
低温特性 Low Temperature Stability 阻抗比 Impedance Ratio(120Hz)	U _R (V)	63	100	160	200	250	400	450
	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 requiroumant. 电容量变化率 Capacitance change : ±10% 初始测量值以内 Within ±10% of the initial value 漏电流 Leakage current : ≤ 初始规定值 ≤ the initial specified value 损耗角正切值 Dissipation factor : ≤ 初始规定值 ≤ the initial specified value							

尺寸和标记 Dimensions And Marking

($\varnothing 4$ to $\varnothing 6.3$)



($\varnothing 8$ to $\varnothing 18$)



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

	4×5.4	5×5.4	6.3×5.4	6.3×7.7	6.3×10.5	8×10.5	8×12.5	10×10.5	10×12.5	12.5×13.5	12.5×16.5	16×16.5	18×16.5	18×21.5
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 (μF)	63		100		160		200		250		400		450	
	Case Size $\varnothing D \times L$ (mm)	Ripple	Case Size $\varnothing D \times L$ (mm)	Ripple	Case Size $\varnothing D \times L$ (mm)	Ripple	Case Size $\varnothing D \times L$ (mm)	Ripple	Case Size $\varnothing D \times L$ (mm)	Ripple	Case Size $\varnothing D \times L$ (mm)	Ripple	Case Size $\varnothing D \times L$ (mm)	Ripple
1.0	4×5.4	8	5×5.4	30	6.3×7.7	70	6.3×10.5	90	6.3×10.5	80	6.3×10.5	70	6.3×10.5	60
2.2	4×5.4	12	5×5.4	32	6.3×7.7	70	6.3×10.5	95	6.3×10.5	85	6.3×10.5	75	6.3×10.5	65
3.3	4×5.4	22	5×5.4	35	6.3×7.7	70	6.3×10.5	100	6.3×10.5	90	8×12.5	85	8×12.5	75
4.7	5×5.4	25	5×5.4	40	6.3×7.7	75	8×10.5	120	8×12.5	100	8×12.5	85	10×12.5	80
6.8	6.3×5.4	30	6.3×5.4	60	6.3×7.7	80	8×10.5	120	8×12.5	100	10×12.5	95	10×12.5	80
10	6.3×5.4	40	6.3×7.7	70	8×10.5	90	10×10.5	150	10×12.5	120	10×12.5	95	10×12.5	80
22	6.3×7.7	45	8×10.5	90	10×12.5	180	12.5×13.5	240	12.5×13.5	150	16×16.5	140	16×16.5	120
33	8×10.5	139	8×10.5	90	12.5×13.5	290	12.5×16.5	310	12.5×16.5	240	16×16.5	140	18×16.5	180
47	8×10.5	139	10×10.5	160	12.5×16.5	370	16×16.5	420	16×16.5	340	18×16.5	280	18×21.5	250
68	10×10.5	160	12.5×13.5	380	16×16.5	500	16×16.5	420	16×16.5	340	18×21.5	350		
100	10×10.5	226	12.5×13.5	400	18×16.5	650	16×21.5	590	18×21.5	490				
150	10×12.5	300	12.5×16.5	500										
220	12.5×13.5	500	16×16.5	600										
330	12.5×16.5	600	18×16.5	780										
470	16×16.5	850	18×21.5	850										
680	18×16.5	1100												
1000	18×21.5	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