

ST Series

ST series 125°C Guaranteed

ST系列125°C保证产品

- 125°C保证产品 125°C Guaranteed
- 在高频范围内的低ESR Low ESR at high frequency range

主要用于汽车、LED驱动电源、通讯电源。 Mainly used in automotive,LED drive power,communication power supply.

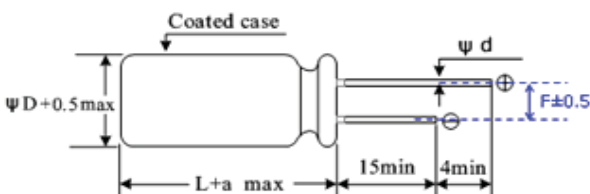
■ 主要技术性能 Specifications

项目 item	性能、特点 Performance Characteristics	
工作温度范围 Operating Temperature Range	-55~+125°C	
额定电压范围 Rated Voltage Range	2.5~35vdc	
容量公差 Capacitance Tolerance	±20%(120Hz,+20°C)	
漏电流 Leakage Current(+20°C,max)	充电2分钟后漏电≤0.2cv ≤0.2CV(uA,after 2 minutes)	
损耗系数 Dissipation Factor (tanδ,at 20°C,120Hz)	不超过指定值 Not to exceed the value specified	
ESR(100KHz)	不超过指定值 Not to exceed the value specified	
耐久性 Endurance 125°C, 2000h, 不超过额定电压 125°C,2000h,at rated voltage	Capacitance Change	测试前的值的±20%以内 Within ±20% of the value before test
	Leakage Current	不超过指定值 Not to exceed the value specified
	ESR	不超过指定值的150% Not to exceed 150% of the value specified
	Dissipation Factor	不超过指定值的150% Not to exceed 150% of the value specified
耐湿性 Moisture Resistance 存放在60°C, RH90~95%, 2000h Stored at 60°C,RH90~95%,2000h	Capacitance Change	测试前的值的±20%以内 Within ±20% of the value before test
	Leakage Current	不超过指定值 Not to exceed the value specified
	ESR	不超过指定值的150% Not to exceed 150% of the value specified
	Dissipation Factor	不超过指定值的150% Not to exceed 150% of the value specified

■ 纹波电流的频率系数 Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1

■ 外形图及尺寸图 Case size table



ΦDXL	ΦD+0.5max	a	F±0.5	Φd±0.05
6.3X8	6.3	1.0	2.5	0.6
6.3X11	6.3	1.0	2.5	0.6
8X8	8.0	1.0	3.5	0.6
8X11.5	8.0	1.5	3.5	0.6
10X12.5	10.0	1.5	5.0	0.6

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■ 尺寸清单 Size List

Cap(uF) \ WV (sv)	2.5 (2.8)	4 (4.6)	6.3 (7.2)	16 (18.4)	25 (27.5)	35 (41)
47						
100				6.3X11		
180					8X11.5	
220				8X8	8X11.5	10X12.5
270					8X11.5	
560			8X8			
820	6.3X8					
1200	8X11.5	10X12.5				

■ 尺寸及特性 Dimensions & Characteristics

W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100KHz)	Maximum Permissible Current(mA,rms)	Size ΦDXL(mm)
2.5	820	410	0.12	12	5600	6.3X8
	1200	600	0.12	10	6100	8X11.5
4	1200	960	0.12	10	6100	10X12.5
6.3	560	706	0.12	12	5700	8X8
16	100	320	0.12	24	2820	6.3X11
	220	704	0.12	13	4300	8X8
25	180	900	0.12	35	2750	8X11.5
	220	1100	0.12	40	2000	8X11.5
	270	1350	0.12	40	2000	8X11.5
35	47	329	0.12	90	1200	8X8
	220	1540	0.12	55	2450	10X12.5