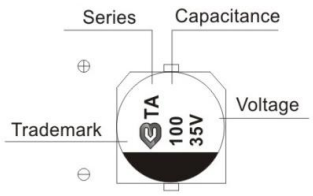
TA Series NEW

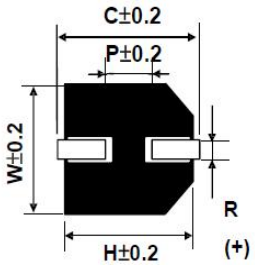
●Low ESR ● High Voltage, Long Life. ● 105℃,5,000~10,000hrs. ● RoHS compliant

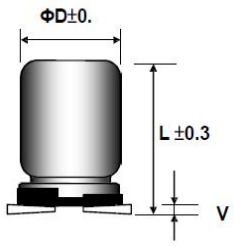
◆ 规格表 Specifications

项目Items	特性参数Characteristics		
使用温度范围 Category Temperture Range	-55 ~ +105℃		
额定工作电压范围 Rated Voltage Range	16 ~ 125 V		
静电容量允许偏差 Capacitance tolerance	±20%(M) (at 20℃,120Hz)		
漏电流 Leakage Current	施加额定工作电压2分钟后读数，小于或等于规格值 (20℃) I≤0.01CV 或 3μA（取大值）（The bigger） After 2 minutes applied for rated voltage at 20℃, less than or equal to the specified value.		
损耗角正切值tanδ Dissipation Factor	小于或等于规格值 Less than or equal to the specified	(at 20℃,120Hz)	
温度特性 Low Temperture Characteristics (Max.Impedance Ratio)	Z(-55℃)/Z(+20℃)	≦ 0.75 to 2.0	(100KHz)
	Z(+105℃)/Z(+20℃)	≦ 0.75 to 1.5	
耐久性 Endurence	必须满足以下参数：电容在20度的环境下储存，在105度的环境下施加额定电压至5000到10000小时。 ΦD=Φ6.3=5,000hrs, ΦD≧Φ8=10,000hrs; The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 5,000 to 10,000 hours at 105℃. Φ6.3=5,000hrs, D≧Φ8=10,000hrs;		
	Appearance	No significant damage	
	Capacitance change	≦±30% of the initial value	
	D.F.(tanδ)	≦200% of the specified value	
	ESR	≦200% of the specified value	
	Leakage current	≦The specified value	
Damp Heat (Steady State) 耐湿负荷特性	在20度的环境下将其调整储存在湿度为90~95%，60度的环境下1000小时，不施加直流电，必须满足如下参数： The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjecting them to subjecting them to store at 60℃, 90 to 95% RH for 1,000 hours ,without DC applied.		
	Appearance	No significant damage	
	Capacitance change	≦±30% of the initial value	
	D.F.(tanδ)	≦200% of the specified value	
	ESR	≦200% of the specified value	
	Leakage current	≦The specified value	
浪涌电压特性 (Surge Voltage)	浪涌电压=额定电压* 1.25(V) Surge Voltage=Rated voltage * 1.25(V) 在通过1KΩ的电阻保护下，15~35℃ 施加浪涌电压30秒，并且放电5分钟30秒，电容器必须满足完成1000次的持续充放循环。 The capacitors shall be subjected to 1,000 cycles each consisting of charge with the surge voltages specified at 15~35℃ for 30 seconds through aprotective resistor (R=1kΩ) and discharge for 5 minutes 30seconds		
	Appearance	No significant damage	
	Capacitance change	≦±30% of the initial value	
	D.F.(tanδ)	≦200% of the specified value	
	ESR	≦200% of the specified value	
	Leakage current	≦The specified value	

◆ 外形图Dimensions (mm)







(Unit:mm)

Size	ΦD	L	W	H	C	R	P	V max
6.3*7.7	6.3	7.7	6.6	6.6	7.3	0.5~0.8	2.1	0.3
8*10.5	8	10.5	8.3	8.3	9	0.7~1.1	3.2	0.3
10*10.5	10	10.5	10.3	10.3	11	0.7~1.3	4.5	0.3
10*12.5	10	12.5	10.3	10.3	11	0.7~1.3	4.5	0.3

TA Series

◆ 尺寸与最大纹波电流一览表Standard Ratings

Rated voltage (V)	Rated capacitance(uF)	Case size ΦD*L(mm)	Leakage carrent (uA)	ESR(mΩ) at 20℃,100 KHz	Rated ripple current (mArms/105℃/100kHz)	tanδ （120Hz）
16	120	6.3*7.7	19.2	40	1500	0.16
	270	8*10.5	43.2	26	2000	0.16
	470	10*10.5	75.2	21	2600	0.16
	560	10*12.5	89.6	15	3000	0.16
25	68	6.3*7.7	17	45	1400	0.16
	150	8*10.5	37.5	27	1900	0.16
	270	10*10.5	67.5	22	2500	0.16
	330	10*12.5	82.5	16	2900	0.16
35	47	6.3*7.7	16.45	60	1300	0.16
	100	8*10.5	35	30	1800	0.16
	150	10*10.5	52.5	23	2400	0.16
	220	10*12.5	77	17	2800	0.16
40	27	6.3*7.7	10.8	70	1200	0.16
	56	8*10.5	22.4	32	1700	0.16
	100	10*10.5	40	24	2400	0.16
	120	10*12.5	48	18	2700	0.16
50	15	6.3*7.7	7.5	80	1200	0.16
	33	8*10.5	16.5	35	1600	0.16
	56	10*10.5	28	25	2300	0.16
	82	10*12.5	41	19	2600	0.16
63	10	6.3*7.7	6.3	100	1000	0.16
	22	8*10.5	13.86	40	1500	0.16
	33	8*10.5	20.79	40	1500	0.16
	33	10*10.5	20.79	30	2100	0.16
	47	10*10.5	29.61	30	2100	0.16
	56	10*12.5	35.28	22	2400	0.16
80	12	10*10.5	9.6	70	1600	0.16
	15	10*10.5	12	70	1600	0.16
	18	10*12.5	14.4	50	1800	0.16
100	10	10*10.5	10	80	1400	0.16
	12	10*10.5	12	80	1400	0.16
	15	10*12.5	15	60	1600	0.16
125	10	10*10.5	12.5	90	1200	0.16

◆ 纹波电流补正系数 Rated Ripple Current Coefficient

频率Frequency(Hz)	100Hz≤f＜1kHz	1kHz≤f＜10kHz	10kHz≤f＜100kHz	100kHz≤f
4.7＜C≦33	0.05	0.32	0.67	1.00
33＜C	0.10	0.35	0.70	1.00