

# TA series

## ■ 特性 Feature

- SMD 贴片 SMD Mounting
- 105°C 2000Hrs



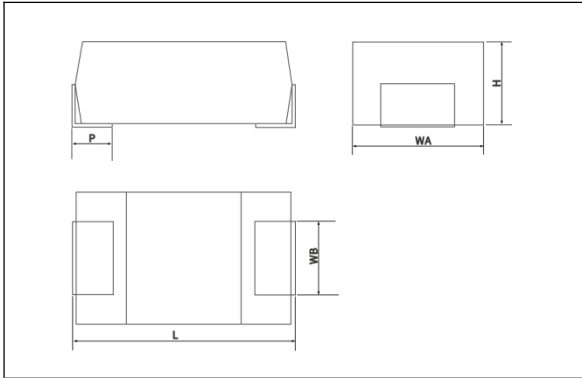
## ■ 仕样 Specification

项目 Item	条件 Condition	性能 Performance
使用温度范 Operating Temperature Range	-	-55°C~+105°C
额定电压范围 Rated Voltage Range	-	2.0-25V
额定静容量范 Rated Capacitance Range	-	33~470μF
额定静容量容许差 Capacitance Tolerance	120Hz, 20°C	M:±20%;L:-35%~+10%
漏电流 Leakage current	施加额定电压 2 分钟后 After applying rated voltage for 2 minutes	$I \leq 0.1CV(2V \sim 10V); I \leq 0.3CV(10V \sim 25V)$
损失角正切值 Dissipation Factor	-	不超过指定的值 Not exceeding specified value
耐久性 Endurance	105°C, 2000h, 施加额定电压 105°C, 2000h, under rated voltage	
	外观 Appearance	没有明显损伤 No visible damage
	静电容量变化率 Capacitance Change	初始值的±20%以内 Within ±20% of initial value
	漏损电流 Leakage Current	规格值以内 Within specified value
	损失角正切值 Dissipation Factor(tan δ)	初始规格值的 150%以内 Within 150% of initial value
恒温恒湿 Constant Temperature and Humidity	在 60°C温度、湿度为 90~95%条件下放置 500 小时, 无外加电压 60°C, 90~95% humidity, 500h, no applied voltage	
	外观 Appearance	没有明显损伤 No visible damage
	静电容量变化率 Capacitance Change	+70%, -20%的初始值 +70%, -20% of initial value
	漏电流 Leakage Current	规格值以内 Within specified value
	损失角正切值 Dissipation Factor(tan δ)	初始规格值的 200%以内 Within 200% of initial specified value

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## 尺寸图 Dimensions

(Unit:mm)

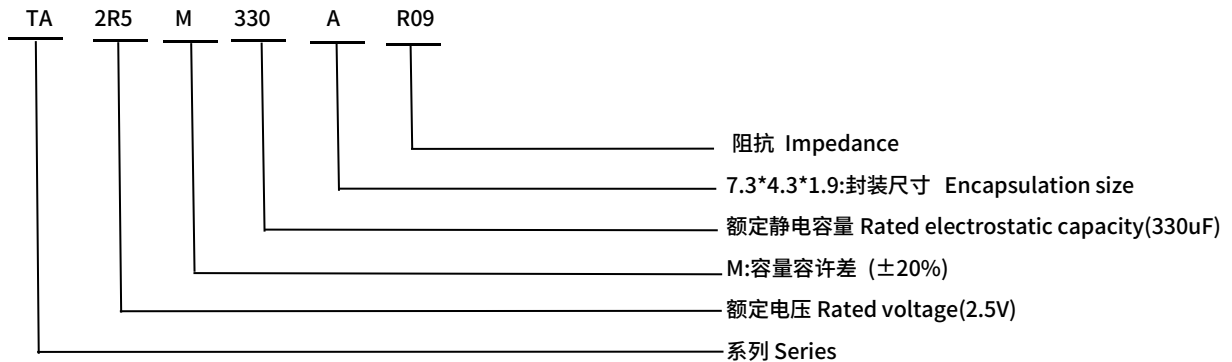


Size	L	WA	WB	H	P
A	7.3±0.3	4.3±0.3	2.4±0.2	1.9±0.3	1.3±0.2
B	7.3±0.3	4.3±0.3	2.4±0.2	2.8±0.3	1.3±0.2
C	7.3±0.3	4.3±0.3	2.4±0.2	4.0±0.3	1.3±0.2

## 纹波电流温度补偿系数 Ripple Current Temperature Compensation Factor:

温度 Temperature 电压 Voltage	≤45°C	45°C<T≤85°C	85°C<T≤105°C
2V~6.3V	1.0	0.7	0.25
10V ~ 25V	1.0	0.8	0.5

## 品号编码体系 Product Code System (Example: 2.5V 330μF)



注释: 型号中 R 表示小数点, 如 2R5 表示 2.5V

Note: "R" in the model number represents a decimal point. e.g., 2R5 means 2.5V

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## ■ 电气特性 Electrical characteristics

额定电压 Rated Voltage (V)	额定静容量 Rated Capacitance ( $\mu$ F)	漏电流 Leakage Current ( $\mu$ A,2min)	损失角正切值 Dissipation Factor (120Hz,20°C)	等效串联电阻 ESR (m $\Omega$ ,100KHz)	额定纹波电流 Rated Ripple Current (mA,45°C,100KHz)	尺寸 Dimensions $\Phi$ DXL(mm)	品号 Part Number
2	330	66	0.06	9	6300	7.3*4.3*1.9	TA2R0M330AR09
	470	94	0.06	9	6300	7.3*4.3*1.9	TA2R0M470AR09
2.5	330	82.5	0.06	9	6300	7.3*4.3*1.9	TA2R5M330AR09
	470	117.5	0.06	9	6300	7.3*4.3*1.9	TA2R5M470AR09
6.3	100	63	0.06	40	3200	7.3*4.3*1.9	TA6R3M100AR40
	150	94.5	0.06	30	5100	7.3*4.3*1.9	TA6R3M150AR30
	220	138.6	0.06	18	5100	7.3*4.3*1.9	TA6R3M220AR18
10	100	100	0.06	40	3200	7.3*4.3*1.9	TA10R0M100AR40
	150	150	0.06	40	2200	7.3*4.3*1.9	TA10R0M150AR40
	220	220	0.06	30	2200	7.3*4.3*1.9	TA10R0L220AR30
16	100	160	0.1	40	2200	7.3*4.3*1.9	TA16R0M100AR40