

CA Solid Tantalum Electrolytic Capacitor

HUASING

CA型固体钽电解电容器

产品简介:

本产品为轴向引出,有极性金属外壳全密封固体电解质钽电容器。该电容器体积小,工作温度宽,性能稳定,可靠性高,寿命长。广泛用于民用仪器仪表及其它电子设备。执行标准为GB9583-88。

主要技术性能:

- 使用温度范围: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($> 85^{\circ}\text{C}$ 时,施加降额电压)
- 电容量允许偏差: $\pm 10\%$, $\pm 20\%$
- 漏电流: 见表1
- 高低温特性: 见表1
- 标称电容量、额定电压、降额电压、外形尺寸和最大重量: 见表2、图1

标称是容量 额定电压 降额电压 最大重量及外形尺寸对应表

Dimensions, Rated Voltage, Voltage Derating and Nominal Capacitance 表2 talbe2

额定电压 Rated Voltage (V)	6.3	10	16	25	32	40	63	75	100			
降额电压 Voltage Derating (V)	4	6.3	10	16	20	25	40	50	63			
浪涌电压 Voltage Derating (V)	4	6.3	10	16	20	25	40	50	63			
壳号 Case Size	D×Lmax	D(mm)	最大重量 Max.Weight	标称电容量 Nominal Capacitance (uF)								
1	3.2×8	0.4	0.7	1.0	0.68	0.33	0.33	0.22	0.22	0.22	0.22	0.47
				1.5	1.0	0.47	0.47	0.33	0.33	0.33	0.33	0.68
				2.2	1.5	0.68	0.68	0.47	0.47	0.47		0.1
				3.3	2.2	1.0	1.0	0.68	0.68			0.15
				4.7	3.3	1.5	1.5	1.0	1.0			0.22
				6.8	4.7	2.2	2.2	1.5				
				10	6.8	3.3						
2	5×12	0.6	2.5	15	10	4.7	3.3	2.2	1.5	0.68	0.47	0.33
				22	15	6.8	4.7	3.3	2.2	1.0	0.68	0.47
				33	22	10	6.8	4.7	3.3	1.5	1.0	0.68
				47	33	15	10	6.8	4.7	2.2	1.5	1.0
				68	47	22	15	10	6.8	3.3	2.2	1.5
3	6×14	0.6	3.5	100	68	47	22	15	10	4.7	3.3	2.2
				100	68	33		15		4.7	3.3	
4	8×14	0.8	6	150	150	100	47	22	22	6.8		
				220			68	33	33	10		
5	8×22	0.8	10	330	220	150	100	47	47	15		
				470	330	220		68		22		

注:带绝缘套管者, D增加0.3mm。
Note: When encapsulated with plastic insulation sleeve, dimension D increase 0.3mm.



Brief Introduction:

CA Series metal-cased solid tantalum electrolytic capacitors with polar axial leads are characterized in small size, wide operating temperature range, stable performances, high reliability and long life, CA Series meets the requirements of Chinese National Standard GB9583-88, widely used in instruments, meters and other electronic equipment for

Features:

- Temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($> 85^{\circ}\text{C}$ with rated Voltage derating)
 - Capacitance Tolerance: $\pm 20\%$, $\pm 10\%$
 - DC Leakage at 20°C : Please see Table 1
 - Temperature Characteristics: See Table 1
- Nominal Capacitance, Rated Voltage, Voltage Derating. Dimensions and Max. Weight: Shown in Table 2 Figure 1

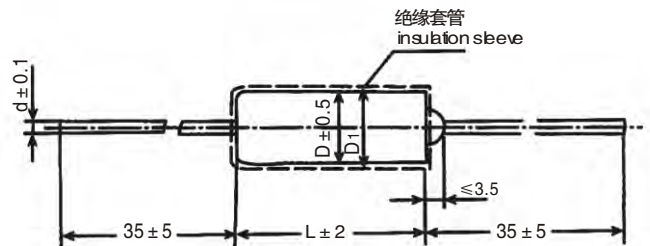


图1 Figure 1

高低温特性

TEMPERATURE CHARACTERISTICS

表1 talbe 1

标称电容量 Capacitance C_R (UF)	电容量变化% Cap. Change			损耗角正切值最大值 δ DF (%) Max				漏电流最大值 (μA) DCL Max.		
	-55°C	$+85^{\circ}\text{C}$	$+125^{\circ}\text{C}$	-55°C	$+20^{\circ}\text{C}$	$+85^{\circ}\text{C}$	$+125^{\circ}\text{C}$	$+20^{\circ}\text{C}$	$+85^{\circ}\text{C}$	$+125^{\circ}\text{C}$
≤ 1.0	± 8	± 8	± 12	6	4	6	6	1 \leq 0.02 C _U 或 (or) 1UF (取大者 whichever is greater)	101 ₀	12.51 ₀ (1)
1.5-68				8	6	8	8			
100-330				12	10	12	12			
470				15	12	15	15			

注: (1)以降额电压测量
Note: (1) Measured at a voltage derating

注: 以上所提供的性能参数仅供参考作用,任何修改不作预先通知。如果在使用上有疑问,请在采购前与我们联系,以便提供技术上的协助。
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