

CA35 Wet Tantalum Electrolytic Capacitor



CA35轴向引线钽电容器

产品简介

本产品为银外壳，轴向引出，极性烧结式、带绝缘套管，绝缘气密封的非固体电解质钽电容器，外形尺寸、额定电压、标称电容量系列采用SJ50733/3-2003电子行业标准。产品性能优良、稳定可靠，适用于通讯、宇航电子设备的电路中。



主要技术性能:

- 类别温度范围: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$, 施加降额电压使用)
- 电容量允许偏差: $\pm 10\%$, $\pm 20\%$
- 室温漏电流: $I_0 \leq 0.001C_R U_R$ 或 $1 \mu\text{A}$ (取大者)
- 高温漏电流: $I_0 \leq 0.008C_R U_R$ 或 $8 \mu\text{A}$ (取大者)
- 室温及高温损耗角正切值: 不超过表1规定
- 负温阻抗: 不超过表1规定
- 额定电压、降额电压、浪涌电压、标称电容量、外形尺寸和最大重量: 见表2、图1

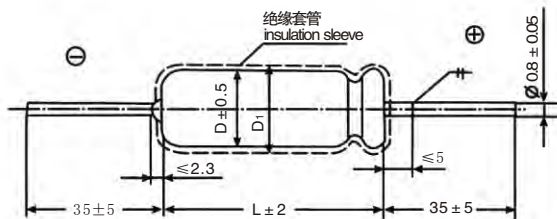
Brief Introduction :

CA₃₅ Series wet electrolyte tantalum capacitors is hermetically sealed by an insulator in tubular silver case with polar axial leads and a insulation sleeve. The CA₃₅ series meets the requirements of Chinese military Standard SJ50733/3-2003., Characterized in table and excellent electrical performances ,high reliability .widely used in such as telecommunication ,aerospace and aviation .

Features:

- Category Temperature Range : $-55 \sim +125^{\circ}\text{C}$ ($> 85^{\circ}\text{C}$ with rated voltage derating)
- Capacitance tolerance : $\pm 10\%$, $\pm 20\%$
- DC leakage : at $+20^{\circ}\text{C}$, $I_0 \leq 0.001C_R U_R$ (μA) or $1 \mu\text{A}$ (which is greater);
- DC leakage at high temperature : $I_0 \leq 0.008C_R U_R$ (μA) or $8 \mu\text{A}$ (which is greater)
- Dissipation Factor at room temperature and high temperature: See Table 1
- Impedance at low temperature: within the limits as shown in Table 1.
- Rated Voltage ,voltage derating, surge Voltage, Nominal capacitance , Max.Weight and Dimensions: Shown in Table 2 and Figure 1.

图1 Figure 1



室温及高温损耗角正切 负温阻抗
Dissipation Factor and Impedance

表 I table 1

6.3V		10V		16V		25V		40V		63V		100V		125V			
CR (μF)	Tg δ % (max) 55°C 85°C 125°C	Z(Ω) (max) 55°C 100Hz	CR (μF)	Tg δ % (max) 55°C 85°C 125°C	Z(Ω) (max) 55°C 100Hz	CR (μF)	Tg δ % (max) 55°C 85°C 125°C	Z(Ω) (max) 55°C 100Hz	CR (μF)	Tg δ % (max) 55°C 85°C 125°C	Z(Ω) (max) 55°C 100Hz	CR (μF)	Tg δ % (max) 55°C 85°C 125°C	Z(Ω) (max) 55°C 100Hz	CR (μF)	Tg δ % (max) 55°C 85°C 125°C	Z(Ω) (max) 55°C 100Hz
22	8	150	15	6	200	10	5.7	200	6.8	4.6	300	14.7	4.5	450	2.2	4.0	1100
33	9	100	22	7	175	15	5.7	155	10	4.6	220	6.8	4.5	350	3.3	4.5	700
47	18	80	33	15	125	22	10	140	15	6.5	175	10	4.5	260	4.7	5.0	500
68	20	60	47	15	100	33	12	90	22	8.3	140	15	9.0	175	6.8	5.0	350
100	30	60	68	25	80	47	18	80	33	20	110	22	10	140	10	8.0	260
150	35	50	100	25	60	68	20	75	47	15	80	33	12	110	15	8.0	175
220	45	50	150	45	55	100	35	65	68	20	75	47	15	80	22	12	140
330	50	45	220	45	45	150	35	60	100	25	60	68	20	75	33	12	90
470	85	40	330	70	40	220	60	55	150	50	55	100	35	65	47	25	80
680	90	35	470	75	35	330	60	45	220	50	55	150	35	50	68	25	80
1000	100	25	680	80	30	470	60	40	330	50	45	220	40	45	100	25	60
1200	144	20	1000	90	25	680	70	35	470	60	40	330	45	35	150	28	50

外形尺寸 最大重量 额定电压降额电压及
标称电容量对应表

Dimensions, Rated Voltage, Voltage Derating and
Nominal Capacitance

表 I table 1

额定电压 Rated Voltage(v)		6.3	10	16	25	40	63	100	125			
降额电压 Voltage Derating(v)		4	6.3	10	16	25	40	63	75			
浪涌电压 Surge Voltage (v)		7.2	11.5	18.4	28.8	46	72.5	115	144			
壳号 Case Size	D x L max (mm)	D1 ± 0.5 (mm)	最大重量(g) Max.Weight	标称电容量 Nominal Capacitance(μF)								
				22	33	47	68	100	150	220	330	
1	5 x 14	5.3	4.0	15	22	33	47	68	100	150	220	330
				10	15	22	33	47	68	100	150	
				6.8	10	15	22	33	47	68	100	
2	6 x 16	6.3	5.0	15	22	33	47	68	100	150	220	330
				10	15	22	33	47	68	100	150	
				6.8	10	15	22	33	47	68	100	
3	8 x 16	8.3	7.0	15	22	33	47	68	100	150	220	330
				10	15	22	33	47	68	100	150	
				6.8	10	15	22	33	47	68	100	
4	8 x 22	8.3	10.0	15	22	33	47	68	100	150	220	330
				10	15	22	33	47	68	100	150	
				6.8	10	15	22	33	47	68	100	
5	10 x 22	10.3	14	15	22	33	47	68	100	150	220	330
				10	15	22	33	47	68	100	150	
				6.8	10	15	22	33	47	68	100	
6	10 x 25	10.3	17	15	22	33	47	68	100	150	220	330
				10	15	22	33	47	68	100	150	
				6.8	10	15	22	33	47	68	100	

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。

Note: The data contained in this brochure is only for your reference, any change or modification is made without previous notification. If any question in application, please feel free to contact us prior to purchase so that we provide further technical assistance.