

1、SCOPE

This specification applies to CA35 axial wet tantalum electrolytic capacitor produced by Shenzhen Be-Top Electronic Components Co., Ltd.



2、Brief Introduction

CA35 Series axial wet electrolytic tantalum capacitor is fully-sealed with polar axial leads and represents a new level of high CV (capacitance/voltage) previously unavailable in this technology. With a silver casing, this series includes a welded tantalum can and header assembly that provides a hermetic seal to withstand the harsh using conditions and store energy. CA35 meets the standard QJ/PWV71-97.

3、Characteristics

Small size but high capacitance.

Highly stable performance with long life.

Low current leakage and low dissipation factor.

It is widely used in such fields as military, aerospace, oil exploitation and telecommunications.

4、General Specification

- 1) Operating Temperature: $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$ (using derating voltage when the temperature is higher than $85\text{ }^{\circ}\text{C}$). (see table 1)
- 2) Capacitance Tolerance: $\pm 10\%$ (K) , $\pm 20\%$ (M)
- 3) Current Leakage at Normal and High Temperature:
 At normal temperature: $I_0 \leq 0.0008C_R U_R (\mu\text{A})$ or $1\mu\text{A}$ (Whichever is greater)
 At high temperature: $I_0 \leq 0.006C_R U_R (\mu\text{A})$ or $6\mu\text{A}$ (Whichever is greater)
- 4) Dissipation Factor at Normal and High Temperature (see table 1):
- 5) Product Dimension and max weight (see table 2)

Table 1: Relation between Rated Voltage, Derating Voltage and Capacitance

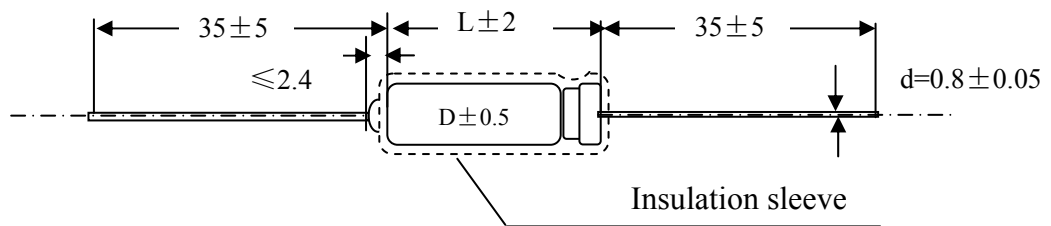
Rated Voltage $U_R(\text{V})$	Derating Voltage $U_c(\text{V})$	Case Code	Capacitance $C_R(\mu\text{F})$	DF (%) 25 $^{\circ}\text{C}$, .85 $^{\circ}\text{C}$, 125 $^{\circ}\text{C}$	Impedance (Ω)-55 $^{\circ}\text{C}$, 100HZ	Rated Voltage $U_R(\text{V})$	Derating Voltage $U_c(\text{V})$	Case Code	Capacitance $C_R(\mu\text{F})$	DF (%) 25 $^{\circ}\text{C}$, .85 $^{\circ}\text{C}$, 125 $^{\circ}\text{C}$	Impedance (Ω)-55 $^{\circ}\text{C}$, 100HZ
6.3	4	1	22	6	130	40	25	1	4.7	4.5	450
		1	33	8	100			1	6.8	4.5	350
		1	47	12	80			1	10	4.5	260
		1	68	15	60			1	15	7	175
		2	100	15	55			2	22	7	130

Rated Voltage $U_R(V)$	Derating Voltage $U_c(V)$	Case Code	Capacitance $C_R(\mu F)$	DF (%) 25 °C, 85 °C, 125 °C	Impedance (Ω)-55 °C, 100HZ	Rated Voltage $U_R(V)$	Derating Voltage $U_c(V)$	Case Code	Capacitance $C_R(\mu F)$	DF (%) 25 °C, 85 °C, 125 °C	Impedance (Ω)-55 °C, 100HZ
6.3	4	2	150	20	50	40	25	2	33	8	90
		3	220	25	45			3	47	8	65
		3	330	30	40			3	68	10	55
		4	470	40	35			4	100	12	40
		5	680	45	30			5	150	15	35
		6	1000	50	25			6	220	20	30
		6	1200	55	25			6	330	25	25
		6	1500	70	20						
10	6.3	1	15	6	180	63	40	1	2.2	4	1100
		1	22	6	130			1	3.3	4.5	700
		1	33	10	110			1	4.7	5	500
		1	47	12	90			1	6.8	5	350
		2	68	12	75			2	10	8	260
		2	100	12	50			2	15	8	150
		3	150	18	45			3	22	8	120
		3	220	25	40			3	33	10	85
		4	330	30	35			4	47	10	70
		5	470	35	30			5	68	10	55
		6	680	40	25			6	100	12	50
		6	1000	50	20			6	150	15	40
		6						6	330	30	22
16	10	1	10	5.7	200	100	63	1	1.5	5	1400
		1	15	5.7	155			1	2.2	5	1100
		1	22	6	130			1	3.3	6	700
		1	33	8	90			1	4.7	6	500
		2	47	10	80			2	6.8	8	350
		2	68	16	75			2	10	10	260
		3	100	18	60			3	15	10	160
		3	150	18	50			3	22	10	110
		4	220	18	45			4	33	12	100
		5	330	30	40			5	47	12	65
		6	470	35	35			6	68	12	50
		6	680	45	30			6	100	12	40
25	16	1	6.8	4.6	300	125	75	1	1.0	6	1800
		1	10	4.6	220			1	1.5	6	1400
		1	15	6.5	175			1	2.2	6	1100
		1	22	8.3	130			1	3.3	6	700
		2	33	9	100			2	4.7	6	500
		2	47	9	70			2	6.8	8	350
		3	68	9	60			3	10	9	260
		3	100	12	50			3	15	9	160
		4	150	14	45			4	22	9	130
		5	220	15	45			5	33	10	100
		6	330	20	35			6	47	10	70
		6	470	30	30			6	68	10	50

Table 2: Product Dimension and Max Weight

Case Code	Max Weight (g)	Without Insulation Sleeve		With Insulation Sleeve	
		D±0.5(mm)	L±2(mm)	D1max (mm)	Lmax (mm)
1	4	5	14	5.8	16
2	5	6	16	6.8	18
3	7	8	16	8.8	18
4	10	8	22	8.8	24
5	14	10	22	10.8	24
6	17	10	25	10.8	27

Figure of Product



How to order

CA35-106M063

CA35	106	M	063
Type	Capacitance	Tolerance	Rated Voltage
CA35 series axial wet tantalum capacitor	106=10μF	K=±10% M=±20%	6.3V=006
			10V=010
			16V=016
			25V=025
			35V=035
			40V=040
			63V=063
			75V=075
100V=100			