

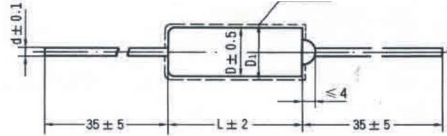
Features

- Operating Temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($> 85^{\circ}\text{C}$ with rated voltage derating).
- Capacitance Tolerance: $\pm 5\%, \pm 10\%, \pm 20\%$
- DC Leakage at 20°C : please see Table 1
- Dissipation Factor at 20°C : please see Table 1
- Temperature Characteristics: See table 1
- Case sizes, Dimensions and Max. weight: shown in Table 2 and figure 1



Brief Introduction

CAK Series metal-cased, hermetical sealed solid tantalum electrolytic capacitors with polar axial leads are characterized in stable performances, high reliability and long life, CAK Series meets the requirements of Chinese Military Standard GJB63/1A-91, used in the electronic equipment where high reliability is required.



Temperature characteristics

table 1

Capacitance C_n (μF)	Cap.Change			DF(%)Max				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	3				$I_0 \leq 0.01$ $C_n U_{\text{rated}}$ or $0.5\mu\text{F}$ (whichever is greater)	$10I_0$	$12.5I_0$ (1)
1.5-4.7										
6.8-68										
100-330										
470										

Note: (1) Measured at a voltage derating

Dimensions, Rated voltage, voltage derating and nominal capacitance

table 2

Rated voltage (V)				6.3	10	16	25	32	40	63
voltage Derating (V)				4	6.3	10	16	20	25	40
Case Size	$D \times L_{\text{max}}$	d (mm)	Max Weight	Nominal capacitance (μF)						
1	3.2×8	0.6	0.7							0.10
				6.8	3.3	2.2	1.5	1.0	0.68	0.15
				10	4.7	3.3	2.2	1.5	1.0	0.22
					6.8				1.5	0.33
										0.47
2	5×12	0.6	2.3			4.7				
				15	10	6.8	3.3	2.2		0.68
				22	15	10	4.7	3.3	2.2	1.0
				33	22	15	6.8	4.7	3.3	1.5
				47	33	22	10	6.8	4.7	2.2
3	6×14	0.6	3.0	100	68	47	22	15	10	4.7
					100	68	33		15	
4	8×14	0.8	4.0	150	150	100	47	22	22	6.8
					220			68	33	33
5	8×22	0.8	8.0	330	220	150	100	47	47	15
				470	330	220		68		22