



CA382 High-Temp Wet Tantalum Capacitor
Tantalum Case for -55 +200 operation
(hermetic seal)

1, Brief Introduction and Feature

- 1) CA382, All tantalum case ,hermetic sealed, with high-temp insulated sleeve wet tantalum electrolytic capacitors.
- 2) With polar, axial leads through hole.High reliability,long life,
- 3) This unit have a 3V reverse voltage capability. Big ripple current.
- 4) Can use in high temperature area 200 available.
- 5) Widely used in electronic equipment for high-temp applications such as oil down hole drilling, aerospace,satellite,military equipment and other DC or PC.

Meet standard: Q/RTO.464.199-2014



2, General Characteristics

- 1) Operating Temperature: -55 +200 (>85 use voltage derating);
- 2) Storage temperature -62 +130
- 3) Capacitance Tolerance: K=±10% ,M=±20%,-10%~+30%,-20%~+50%
- 4) Leakage current: see the table 2 list
- 5) Ripple current: see the table 2 list
- 6) Dimensions and Max. weight: See table 1

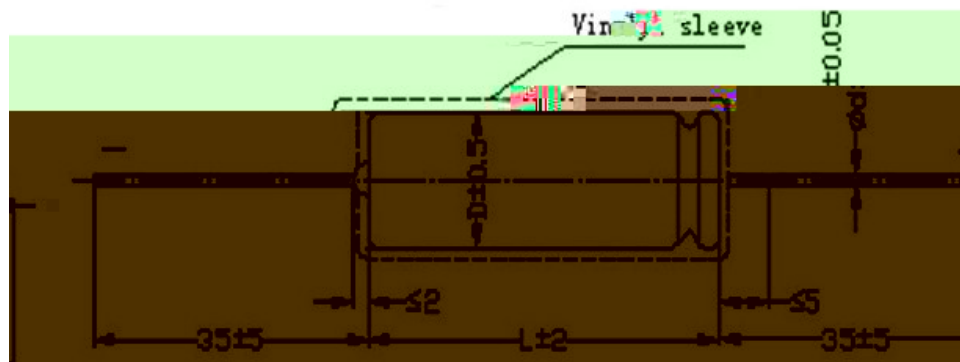


Table 1 Dimension

Case Code	Dimension (mm)		L±1.5 (mm)	Max. Weight (g)
T2	7.14	7.92	16.3	7
T3	9.52	10.31	19.5	12
T4	9.52	10.31	27.0	18
*T5	9.52	10.31	27.8	20
*T6	9.9	10.7	27.2	22
*T7	9.9	10.7	30	24

Remark: * means extend items.

Please read the important notes and cautions at the end of this document.



3, Table 2 General characteristics

Rated Vol. (V)	A	B	Nominal Cap. (μF)	Dissipation	Leakage current		Impedance	Cap change rate (%)			85 40KHZ AC Ripple current (mA)	Case Code				
	Derated Vol. 125 (V)	Derated Vol. 200 (V)		Factor +25 +85 +200 (%)		(μA)		100Hz -55 (Ω)								
6	4	3.6	30	7	1	2	100	-40	+11	+15	820	T1				
			68	12			60				+14		+18	960		
			140	17			40		+20	1200	T2					
			270	30			7		25	-44		+18	+25	1375		
			330	30	2	8	20	+14	+20		1800	T3				
			560	45		13	25	-64	+18		+25		1900			
			1200	90	3	14	20	-80	+25	+30	2265	T4				
8	5	4.8	25	7	1	2	100	-40	+11	+15	820	T1				
			56	10			59				+14		+18	900		
			120	15			50	-44	+18	+20	1220	T2				
			220	30			7				30		1370			
			290	30	2	6	25	-64		+25	1770	T3				
			430	36		14	25				1825					
			850	50	4	16	22	-80	+25	+30	2330	T4				
10	7	6	20	5	1	2	175	-32	+11	+15	820	T1				
			47	11			100				+18		855			
			100	12			4				60	-36	+14	+20	1200	T2
			180	20			7				40				1365	
			250	25	2	10	30	-40	+25	1720	T3					
			390	25		16	25	-64		+18		1800				
			750	40	4		23	-80	+25	+30	2360	T4				
15	10	9	15	5	1	2	155	-24	+11	+15	780	T1				
			33	8			90				-28		+14	+18	820	
			70	10			4					75			+18	1150
			120	15			7					50	+20	1450		
			170	20	2	10	35	-32	+14	1480	T3					
			270	25		16	30	-56	+18	+25		1740				
			540	35	6	20	23	-80	+25	+30	2330	T4				
25	15	12	10	4	1	2	220	-16	+8	+10	715	T1				
			22	5.5			140	-20	+11		825					
			50	8			70	-28	+13	+15	1130	T2				
			100	12			9				50		1435			
			120	18	2	6	38	-32			1450	T3				
			180	20		16	32	-48			1525					
			350	30	7	21	24	-70	+25	+30	1970	T4				

Please read the important notes and cautions at the end of this document.



Table 2 General characteristics

Rated Vol. (V)	A Derated Vol. 125 (V)	B Derated Vol. 200 (V)	Nominal Cap. (μF)	Dissipation Factor +25 +85 +200 (%)	Leakage current (μA)		Impedance 100Hz -55 (Ω)	Cap change rate (%)			85 40KHZ AC Ripple current (mA)	Case Code
					+25	+85 +125		-55	+85	+200		
30	20	18	8	4	1	2	275	-16	+8	+12	640	T1
			15	5			175	-20	+11	+15	780	
			40	8			65	-24			1120	T2
			68	11			60				1285	
			100	15	2	10	40	-28	+11	+18	1450	T3
			150	20		15	35	-48	+13	+25	1525	
			300	25	8	32	25	-60	+25	+35	1950	T4
50	30	30	5	3	1	2	400	-16	+5	+9	580	T1
			10	4		2	250	-24	+8	+12	715	
			25	7		5	95	-20	+11	+15	1005	T2
			47	10		8	70	-28	+13	+18	1155	
			60	10	2	10	45	-16	+11	+15	1335	T3
			82	12		12	45	-32	+13	+18	1400	
			160	15	8	30	27	-50	+25	+30	1900	T4
60	40	36	4	2.8	1	2	550	-16	+5	+9	525	T1
			8.2	4		2	275	-24	+8	+12	625	
			20	6		5	105	-16	+11	+15	930	T2
			39	8		8	90	-28			1110	
			50	9	2	10	50	-16			1330	T3
			68	10		10	45	-32			1365	
			140	12	8	30	28	-40	+20	+25	1850	T4
			*560	50	30	160	25	-60	+40	+50	2800	T5
75	50	45	3.5	2.5	1	2	650	-16	+5	+9	525	T1
			6.8	3.5		2	300	-20	+8	+12	610	
			15	5		5	150	-16			890	T2
			33	8		9	90	-24	+11	+18	1000	
			40	8	2	10	60	-16		+15	1250	T3
			56	10		12		-28		+18	1335	
100	65	60	110	10	9	30	29	-35	+20	+25	1850	T4
			2.5	2	1	2	950	-16	+7	+10	505	T1
			4.7	3		2	500	-20			565	
			11	5		4	200	-16	+8		835	T2
			22	6		9	100	-24			965	

