



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 Derated Vol. 125 (V)	B Derated Vol. 200 (V)	Nominal Cap. (μF)	Dissipation Factor +25 +85 +200 (%)	Leakage current (μA)		Impedance 100Hz -55 ()	Cap change rate (%)			85 40KHZ AC Ripple current (mA)	Case Code			
					+25	+85 +125		-55	+85	+200					
6	4	3.6	30	7	1	2	100	-40	+11	+15	820	T1			
			68	12			60				+14		960		
			140	17			40						1200		
			270	30			25						1375	T2	
			330	30	2	8	20	-44	+18	+25	1800				
			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		900		
			120	15			50						1220		
			220	30			30						-44	+18	+20
			290	30	2	6	25	-64	+18	+25	1770				
			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				+14		+18	855	
			100	12			60						-36	+20	1200
			180	20			40						1365		
			250	25	2	10	30	-40	+18	+25	1720				
			390	25		16	25	-64			1800				
			750	40	4	16	23	-80	+25	+30	2360	T4			
15	10	9	15	5	1	2	155	-24	+11	+15	780	T1			
			33	8			90				+14		+18	820	
			70	10			75							-28	1150
			120	15			50							+18	1450
			170	20	2	10	35	-32	+14	+20	1480				
			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
			100	12			50								1435
			120	18	38	-32	1450								
			180	20	2	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 ()	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			5	65			-24	1120
			68	11	8	60		+13	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	
			25	7			5	95	-20	+11	+15	1005
			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	
			20	6			5	105	-16	+11	+15	930
			39	8	8	90	-28	1110				
			50	9	2	10	50	-16	+11	+15	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	
			15	5			5	150	-16	+11	+18	890
			33	8	9	90	-24	+15	1000			
			40	8	2	10	60	-16	+11	+18	1250	T3
			56	10		12		-28			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	
			11	5	9	4	200	-16	+8	+10	835	T2
			22	6							9	

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

