



**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. ( F )	Dissipation Factor +25 +85 +200 (%)	Leakage current ( A )		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		+18	960					
			140	17			40						+20	1200					
						270	30	2	7	25	-44	+18	+25	1375	T2				
						330	30			20				+20		1800			
						560	45			25				-64		+18	+25	1900	
						1200	90			20								-80	+25
8	5	4.8	25	7	1	2	100	-40	+11	+15	820	T1							
			56	10			59				+14		+18	900					
			120	15			50						+18	+20	1220				
						220	30	30	-44	+25	1370	T2							
						290	30	25			-64			+18	+25	1770			
						430	36	25	25	1825		T3							
						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	2	7	40	-40	+18	+25	1365	T2				
						250	25			30				-40		+25	1720		
						390	25			25				-64		+18	+25	1800	
						750	40			16								23	-80
15	10	9	15	5	1	2	155	-24	+11	+15	780	T1							
			33	8			90				+14		+18	820					
			70	10			75							-28	+18	1150			
						120	15	2	7	50	-32	+14	+20	1450	T2				
						170	20			35				-32		+14	+20	1480	
						270	25			16				30		-56	+18	+25	1740
						540	35			6				20		23	-80	+25	+30
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	9	50	+13	+15	1435							
						120	18	2	6	38	-32	+13	+15				1450		
						180	20			16							32	-48	1525
						350	30			7				21	24	-70	+25	+30	1970

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**Table 2 General characteristics**

Rated Vol. (V)	A Derated Vol. 125 (V)	B Derated Vol. 200 (V)	Nominal Cap. ( F )	Dissipation Factor +25 +85 +200 (%)	Leakage current ( A )		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			65	-24			1120	T2
			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			250	-24	+8	+12	715	
			25	7			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			275	-24	+8	+12	625	
			20	6			105	-16	+11	+15	930	T2
			39	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			300	-20	+8	+12	610	
			15	5			150	-16	+11	+18	890	T2
			33	8	90	-24	1000					
			40	8	2	10	60	-16	+11	+15	1250	T3
			56	10		12	60	-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							500	
			11	5	9	4	200	-16	+8	+10	835	T2
			22	6							100	

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