



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		+18	960					
			140	17			40						+20	1200					
						270	30	2	7	25	-44	+18	+25	1375	T2				
						330	30			20				+14		+20	1800		
						560	45			25				-64		+18	+25	1900	
						1200	90			14								-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								
						290	30	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	2	7	40	-40	+18	+25	1365	T2				
						250	25			30				-40		+25	1720		
						390	25			16				25		-64	+18	+25	1800
						750	40												4
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
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
						350	30							7	21	24	-70	+25	+30

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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		780			
			40	8			5				65	-24	+11	+15	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		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	10	60	-16		+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		2	500	-20			565					
						11	5	4	200	-16	+8	835	T2			
						22	6	9	100	-24		965				

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