



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

**1, Brief Introduction and Feature**

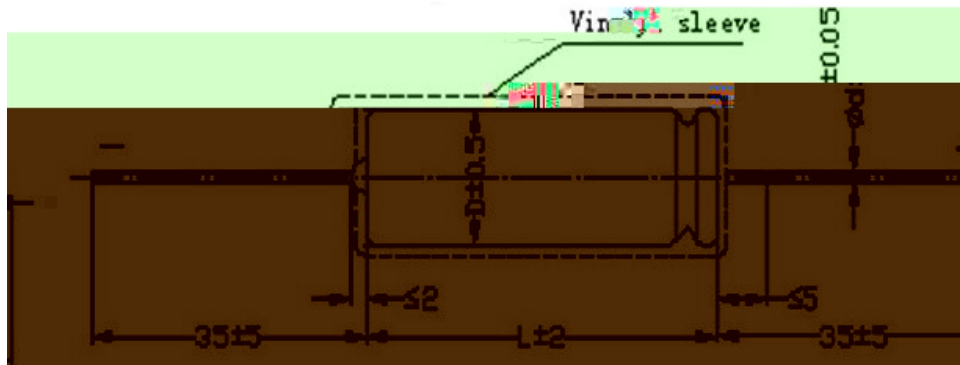
- 1) CA382, All tantalum case ,hermetic sealed, with high-temp insulated sleeve wet tantalum electrolytic capacitors.
- 2) With polar, axial leads through hole.High reliability,long life,
- 3) This unit have a 3V reverse voltage capability. Big ripple current.
- 4) Can use in high temperature area 200 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						-44	+18	+25	1375	
			330	30	2	8	20	-64	+14	+20	1800	T3					
			560	45		13	25				+18		+25	1900			
			1200	90		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						-44	+18	+20	1220	
			220	30			7						30		1370		
			290	30	2	6	25	-64	+18	+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				+14		+18	855			
			100	12			60						-36	+20	1200		
			180	20			40						1365				
			250	25	2	10	30	-40	+18	+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				+14		+18	820			
			70	10			75							-28	1150		
			120	15			50							+18	+20	1450	
			170	20	2	10	35	-32	+14	+18	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
			100	12			50										1435
			120	18	2	6	38	-32	+13	+15	1450	T3					
			180	20		16	32				-48		1525				
			350	30		7	21				24		-70	+25	+30	1970	T4

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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
			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	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	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
			22	6	9	100	-24	965							

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