



## CA58A High-Temp Wet Tantalum Capacitor

### All Tantalum Case, for -55°C +200°C operation

(hermetic seal)



#### 1, Brief Introduction and Feature

- ¥ CA58A, All tantalum case ,hermetic sealed, with high-temp insulation sleeve wet tantalum electrolytic capacitors.
- ¥ With polar, axial leads through hole.High reliability,long life,high ripple current.
- ¥ This unit have a 3V reverse voltage capability.
- ¥ Can use in high temperature area.
- ¥ Widely used in electronic equipment for high-temp applications such as oil down hole drilling,and other DC or PC.
- ¥ Meet standard: QJ/PWV343-2011 Cross MIL-PRF-39006/22/25

#### 2, General Characteristics

Operating Temperature: -55°C +200°C(>85°C with voltage derating);

Storage temperature -62°C +130°C

Capacitance Tolerance: K=±10% ,M=±20%

Case sizes, Dimensions and Max. weight: As shown in Table 1 and figure 1.

Performance: See table 2

#### 3, Drawing Case Dimension and Max. weight



Code	Max. weight g	Without sleeve		With sleeve	
		D±0.4 mm	L±0.8 (mm)	D±0.4 mm	L±0.8 (mm)
T1	3	4.78	11.51	5.56	12.30
T2	7	7.14	16.28	7.92	17.10
T3	12	9.52	19.46	10.31	20.2
T4	18	9.52	26.97	10.31	27.7



4. General Characteristics

Rated Voltage	Voltage Derating		Case size	Capacitance $\mu F$	DCL ( $\mu A$ )Max		Tg (%) 25	AC ripple 85 40kHz Max ( $\mu A$ )
	125 $^{\circ}C$	200 $^{\circ}C$			25	85 125		
	6	4			3.6	T1		
T1			68	1		2	15	960
T1			220	2		9	50	1000
T2			140	1		3	21	1200
T2			270	1		6.5	45	1375
T2			560	3		9	70	1500
T2			820	3		14	155	1500
T3			330	2		7.9	36	1800
T3			560	2		13	55	1900
T3			1200	5		18	80	1900
T3			1500	5		20	172	1900
T4			1200	3		14	90	2265
T4			2200	6		24	170	2300
8	5	4.8	T1	25	1	2	7.5	820
			T1	56	1	2	14	900
			T1	180	2	9	41	1000
			T2	120	1	3	20	1230
			T2	220	1	7	37	1370
			T2	680	3	14	130	1500
			T3	290	2	7.9	34	1770
			T3	430	2	14	46	1825
			T3	1500	5	20	170	1900
			T4	850	4	16	60	2330
			T4	1800	7	25	138	2300
10	7	6	T1	20	1	2	6	820
			T1	47	1	2	13	855
			T1	120	2	6	25	900
			T1	150	2	9	34	900
			T2	100	1	4	15	1200
			T2	180	1	7	30	1365
			T2	390	3	9	80	1450
			T2	560	3	16	106	1450
			T3	250	2	10	30	1720
			T3	390	2	16	44	1800
			T3	1200	5	20	137	1850
			T4	750	4	16	50	2360
			T4	1500	7	25	114	2300



Rated Voltage	Voltage Derating		Case size	Capacitance μF	DCL (μA)Max		Tg (%) 25	AC ripple 85 40kHz max(μA)
	125℃	200℃			25	85 125		
	15	10			9	T1		
T1			33	1		2	10	820
T1			82	2		6	25	900
T1			100	2		9	30	900
T2			70	1		4	13	1150
T2			120	1		7	18	1450
T2			270	3		9	55	1450
T2			390	3		16	74	1450
T3			170	2		10	25	1480
T3			270	2		16	32	1740
T3			680	6		18	80	1800
T3			820	6		24	111	1800
T4			540	6		24	40	2330
T4			1000	8		32	92	2330
25	15	12	T1	10	1	2	4	715
			T1	22	1	2	6.6	800
			T1	47	2	6	20	800
			T1	56	2	6	20	850
			T1	68	2	9	22	850
			T2	50	1	2	11	1130
			T2	100	1	10	15	1435
			T2	180	3	9	50	1400
			T2	270	3	16	55	1400
			T3	120	2	6	21	1450
			T3	180	2	18	26	1525
			T3	390	6	18	40	1500
			T3	470	6	18	50	1750
			T3	560	7	28	76	1750
T4	350	7	28	35	1970			
T4	680	8	32	63	2100			
30	20	18	T1	8	1	2	4	640
			T1	15	1	2	5	780
			T1	47	2	6	17	800
			T1	56	2	9	22	800
			T2	40	1	5	10	1120
			T2	68	1	8	13	1285
			T2	150	3	9	35	1200



Rated Voltage	Voltage Derating		Case size	Capacitance μF	DCL (μA)Max		Tg (%) 25	AC ripple 85 40kHz max(μA)
	125℃	200℃			25	85 125		
	30	20			18	T2		
			T3	100	2	12	17	1450
			T3	150	2	18	23	1525
			T3	390	6	18	50	1500
			T3	470	8	32	64	1500
			T4	300	8	32	31	1950
			T4	560	9	36	55	2000
35	22	21	T1	15	1	1.6	3.5	660
			T1	39	2	6	20	820
			T2	68	1	2.2	4	1195
			T2	120	3	10	30	1315
			T3	330	6	18	40	1640
			T4	270	3	12.5	25	1950
			T4	370	9	36	40	2040
40	26	24	T1	39	2	6	25	820
50	30	30	T1	5	1	2	3	580
			T1	10	1	2	4	715
			T1	33	2	9	12.3	700
			T2	25	1	5	8	1005
			T2	47	1	9	11	1155
			T2	100	4	12	20	1200
			T2	120	4	24	22.5	1200
			T3	60	2	12	12	1335
			T3	82	2	18	15	1400
			T3	270	8	32	37	1450
			T4	160	8	32	17	1900
			T4	330	9	36	38	1900
60	40	36	T1	4	1	2	2.8	525
			T1	8.2	1	2	4	625
			T1	18	2	12	10	700
			T1	27	3	12	10.2	700
			T2	20	1	5	7	930
			T2	39	1	9	10	1110
			T2	82	4	16	17	1100
			T2	100	4	20	19	1100
			T3	50	2	12	10	1330
			T3	68	2	18	13	1365



Rated Voltage	Voltage Derating		Case size	Capacitance μF
	125°C	200°C		
60	40	36	T3	220
			T4	140
			T4	270
			T4	330
63	42	38	T1	10
			T2	100
75	50	45	T1	3.5
			T1	6.8
			T1	12
			T1	22
			T2	15
			T2	33
			T2	68
			T2	82
			T3	40
			T3	56
			T3	180
			T4	110
			T4	220
			T4	300
100	65	60	T1	2.5
			T1	4.7
			T1	10
			T2	11
			T2	22
			T2	39
			T3	25
			T3	30
			T3	43
			T3	68

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**200 Wet Tantalum Electrolytic Capacitor**  
**Shanghai Green Tech Co.,Ltd.**