



# CA58B High-Temp Wet Tantalum Capacitor

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

(hermetic seal)



### 1, Brief Introduction and Feature

- ◆ CA58B, 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.
- ◆ Widely used in electronic equipment for high-temp applications such as oil down hole drilling,and other DC or PC.
- ◆ Meet standard: QJ/PWV344-2011      Cross Vishay part 134D

### 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



Table 1

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	20.20
T4	18	9.52	26.97	10.31	27.70



## 4, General Characteristics

Rated Voltage	Voltage Derating		Case size	Capacitance ( F )	DCL ( A)Max		Tg (%) 25°C	AC ripple 85°C 40kHz Max ( A )
	125°C	200°C			25°C	85°C 125°C		
			T2	220	2	10	28	2300
			T3	470	3	25	30	2650
			T4	680	5	40	38	2900
60	40	36	T1	47	1	5	20	1250
			T2	150	2	10	23	2050
			T3	390	3	25	25	2450
			T4	560	5	40	35	2700
75	50	45	T1	33	1	5	20	1100
			T2	110	2	10	25	1900
			T3	330	3	30	30	2300
			T4	470	5	50	40	2550
100	65	60	T1	15	1	5	15	950
			T2	68	2	10	20	1500
			T3	150	3	25	25	1800
			T4	220	5	50	25	2200
			T4	400	15	120	100	3250
125	85	75	T1	10	1	5	10	750
			T2	47	2	10	15	1450
			T2	50	3	10	15	1450
			T3	100	3	25	20	1700
			T4	150	5	50	20	1900

## 5,How to order

(GTCA58B 157 M 100 T3)

GT	CA58B	157	M	100	T3
Brand Name	Type	Capacitance	Tolerance	DC voltage	Case code

High-temp Wet

Green Tech

## Notes:

- 1、Tantalum capacitors can't been measured by multimeter (Easily cause irreversible damage and lead to reject)
- 2、Capacitance, DF measure frequency: 100Hz,  $U=2.20-1.0V$ ,  $U=1.00-0.5V$ (effective value), measure method is by series equivalent circuit.
- 3、Measure leakage current above 125°C, please use derated voltage. DLC read within 5 minute.
- 4、Special size and big capacitance products, please negotiate with us