

CBGG-200°C Wet Tantalum Capacitor

Silver case , hermetic seal, equative CA53

**Characteristics and Application**

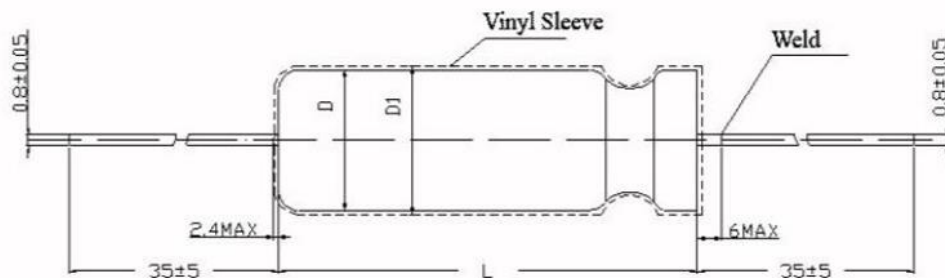
- ◆ Silver case, **Hermetic Sealed**, tubular, Axial leads, High temperature sleeve, Polar
- ◆ Good electric performance, High reliability, long life, Low DF and LC.
- ◆ Small Size, High temperature performance, Can use at 200 °C.
- ◆ Suit for down-hole-drilling instrumentation and high temperature electronic devices DC or pulse circuit.
- ◆ Implementation of standards: QJ/PWV307-2009,
Can cross Vishay's 134D

**Technical Performance:**

Operation temperature: -55°C~+200°C (>85°C use derated voltage)

Capacitance Tolerance: K=±10%; M=±20%; Q:-10%~+30%

Dissipation Factor: 25°C, 100Hz (see table 2)

Leakage current:25°C $I \leq 0.001 C_R U_R$ (μA) or 1μA (whichever is greater)85°C $I \leq 0.008 C_R U_R$ (μA) or 8μA (whichever is greater)200°C $I \leq 0.04 C_R U_R$ (μA) or 40μA (whichever is greater)**Diagram of Dimension (mm)****Table1** Case size and maximum weight

Case code	Max weight (g)	Without Sleeve		With Sleeve	
		D±0.5	L±2	D ₁ max	L max
		(mm)	(mm)	(mm)	(mm)
1	4	6	15	6.8	17
2	5	8	17	8.8	19
3	7	8	22	8.8	24
4	10	10	22	10.8	24
5	14	10	25	10.8	27
6	17	10	30	10.8	32

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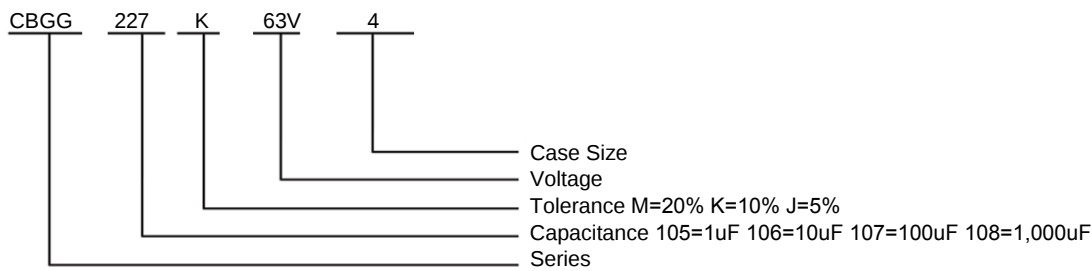
Silver case , hermetic seal



Table2 General parameters

Rated Voltage $U_R(V)$ 25°C,85°C	Derated Voltage $U_C(V)$		Case code	Cap $C_R(\mu F)$	tg δ (%) DF 25°C	Rated Voltage $U_R(V)$ 25°C,85°C	Derated Voltage $U_C(V)$		Case code	Cap $C_R(\mu F)$	tg δ (%) DF 25°C
	125°C	200°C					125°C	200°C			
50 1H	30	30	1	68	25	75 1M	50	45	4	220	25
			2	100	25				5	330	30
			2	120	25				6	470	30
			3	220	28	100 2A	65	60	1	15	15
			5	330	30				2	33	20
			6	470	30				3	47	25
			6	560	33				3	68	25
			6	680	35				4	120	25
			1	47	25				5	150	28
			3	150	28				6	220	28
			4	220	30				1	10	13
			4	330	30				4	47	20
			5	390	30				4	56	20
60 1I (63 1J)	40 (42)	36 (38)	6	470	35	125 2Q	85	75	5	68	25
			6	560	35				6	82	25
			1	33	12				6	100	25
			2	82	20				6	120	25
			2	110	25				6	150	28
			4	180	25						
75 1M	50	45									

PART NUMBER EXAMPLE



Notes:

- 1、Tantalum capacitors can't been measured by multimeter (Easily cause irreversible damage and lead to reject)
- 2、Capacitance, DF measure frequency: 100Hz, $U=2.2 \pm 0.1V$, $U \sim 1.0 \pm 0.5V$ (effective value)
- 3、Measure leakage current above 85°C, please use derated voltage.
- 4、Special size and big capacitance products, please negotiate with us