175℃ HIGH TEMPERATURE TANTALUM CAPACITOR

CBGT

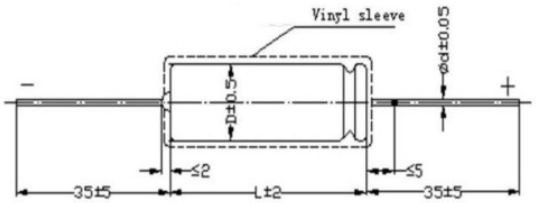
CHARACTERS AND USE

- Silver case, gas seal, Cylindrical, Axial leads, High temperature sleeve, Polar
- Good electric performance, High reliability, long life, Low DF and LC.
- High temperature performance, Can use at 175 ℃
- Suit for oil drilling deep well measurements and high temperatureelectronic devices DC or pulse circuit
- Implementation of standards: QJ/PWV223–2008
- Equative CA501 series

Technical Performance

- Operation temperature: −55℃~+175℃ (>155℃ use derated voltage)
- Capacitance Tolerance: ±10%; ±20%; −10%~+30%
- Dissipation Factor: 25℃, 100Hz (see table 1)
- Leakage Current: 25℃ $I_O \leqslant 0.002 C_R U_R$ (μA) or 2μA (whichever is greater)

  175℃ $I_O \leqslant 0.03 C_R U_R$ (μA) or 30μA (whichever is greater)



CASE SIZE AND MAXIMUM WEIGHT

TABLE1

Case code	Max Weight (g)	With Sleeve		Without Sleeve	
		D±0.5 (mm)	L±2 (mm)	D_1max (mm)	L max (mm)
1	4	5	14	5.8	16
2	5	6	16	6.8	18
3	7	8	16	8.8	18
4	10	8	22	8.8	24
5	14	10	22	10.8	24
6	17	10	25	10.8	27
7	20	10	30	10.8	32

RATED VOLTAGE,DERATED VOLTAGE, CAPACITANCE, CASE CODE AND DISSIPATION FACTOR

TABLE2

Rated Voltage U_R(V)	Derated Voltage U_C(V)	Case Code	Cap C_R(μF)	tg δ(%) 25℃	Rated Voltage U_R(V)	Derated Voltage U_C(V)	Case Code	Cap C_R(μF)	tgδ(%) 25℃
6.3 0J	3	1	22	45	40	20	1	4.8	15
		1	33	45			1	6.8	20
		1	47	45			1	10	20
		1	68	45			1	15	25
		2	100	50			1	22	30
		2	150	50			2	33	30
		3	220	70			2	47	35
		3	330	75			2	68	30
		4	470	95			3	100	45
		4	680	95			4	150	45
		5	1000	100			5	220	45
10 1A	5	1	15	40	50	25	1	3.3	10
		1	22	40			1	4.7	15
		1	33	40			1	6.8	15
		1	47	45			1	10	15
		1	68	45			2	15	15
		2	100	50			2	22	20
		2	150	60			2	33	25
		3	220	65			3	47	25
		3	330	80			4	68	35
		4	470	85			4	100	35
		4	680	85			5	150	30

PART NUMBER EXAMPLE:

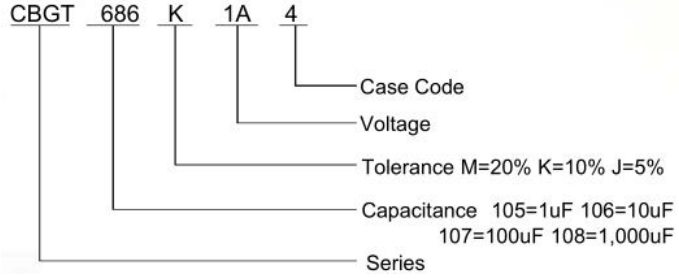


TABLE2

Rated Voltage U_R(V)	Derated Voltage U_C(V)	Case Code	Cap C_R(μF)	tg δ(%) 25℃	Rated Voltage U_R(V)	Derated Voltage U_C(V)	Case Code	Cap C_R(μF)	tgδ(%) 25℃
16 1C	8	1	10	30	63	32	1	3.3	10
		1	15	30			1	4.7	15
		1	22	35			1	6.8	15
		1	33	35			1	10	15
		1	47	40			2	15	15
		2	68	40			2	22	20
		2	100	45			3	33	25
		3	150	45			3	47	25
		3	220	70			4	68	35
		4	330	80			5	100	35
		4	470	85			6	150	30
25 1E	13	1	6.8	20	75	37	1	3.3	10
		1	10	20			1	4.7	10
		1	15	20			1	6.8	15
		1	22	25			2	10	20
		1	33	25			2	15	25
		2	47	30			3	22	35
		2	68	30			3	33	35
		2	100	40			4	47	33
		3	150	45			5	68	30
		4	220	60			6	120	30
		4	330	60					
100 2A	50	1	3.3	10	125	63	2	2.2	10
		2	4.7	10			2	3.3	10
		2	6.8	15			3	4.7	15
		3	10	20			3	6.8	25
		3	15	25			3	10	25
		4	22	35			4	15	30
		5	33	35			5	22	35
		6	47	33			6	33	30
		7	68	30			7	47	35