

155℃ HIGH TEMPERATURE TANTALUM CAPACITOR

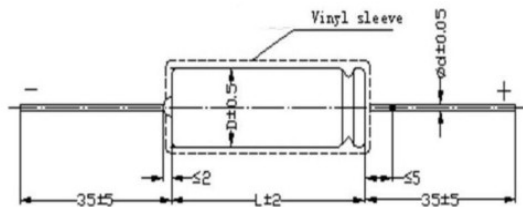
CBGW

CHARACTERS AND USE

- Equative CA501S
- 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 155 °C
- Suit for oil drilling deep well measurements and high temperature electronic devices
- DC or pulse circuit
- Implementation of standards: QJ/PWV220-2008

Technical Performance

- Operation temperature: -55℃~+155℃
- Capacitance Tolerance: ±10%; ±20%; -10%~+30%
- Dissipation Factor: 25℃, 100Hz (see table 2)
- Leakage Current: 25℃ $I_o \leq 0.002 C_R U_R$ (μA) or 2 μA (whichever is greater)
155℃ $I_o \leq 0.02 C_R U_R$ (μA) or 20 μA (whichever is greater)



CASE SIZE AND MAXIMUM WEIGHT

TABLE 1

Case code	Max Weight (g)	With Sleeve		Without Sleeve	
		D ± 0.5 (mm)	L ± 2 (mm)	D max (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

TABLE 2

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

PART NUMBER EXAMPLE:

CBGW157	K	0J	2
			Case Code
			Voltage
			Tolerance M=20% K=10% J=5%
			Capacitance 105=1uF 106=10uF 107=100uF 108=1,000uF
			Series

TABLE 2

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