

CBHA



1, Brief Introduction

CBHA Series solid tantalum electrolytic capacitors is Cylindrical ,Metal case
 With polar radial leads are characterized in small size, low DC Leakage,
 stable and excellent performances, high reliability and long life. CBHA
 Series meets the requirements of Chinese Electronic industry standard Q/PWV20002-2002,
 Suit for polar transform DC and pulse circuit



2, General Characteristics

Operating Temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$ with rated voltage derating)

Capacitance Tolerance: $M=\pm 20\%$, $K=\pm 10\%$

DC Leakage: at $+20^{\circ}\text{C}$, $I_0 \leq 0.01C U_R$ or $0.5\mu\text{A}$ (Whichever is greater);

Temperature performance please see Table3

Outline , dimensions and max weight see table1

Rated Voltage, derated voltage and capacitance see table 2

3, Outline and dimensions:

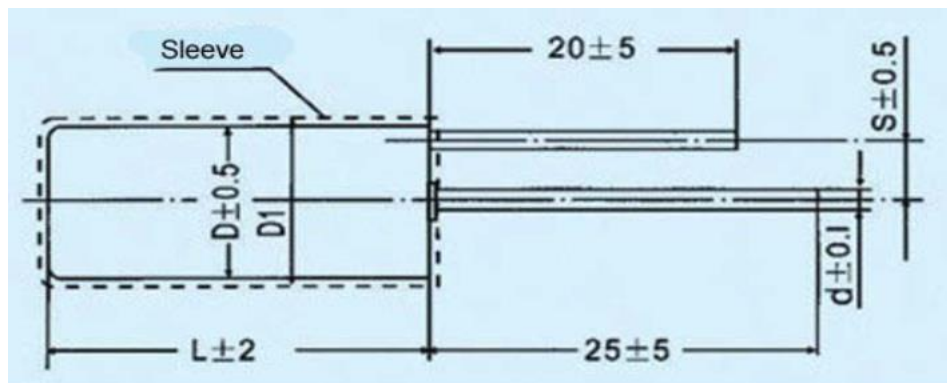


Table1: Outline dimension

Case Code	Weight (max.g)	Without insulation		With insulation		d±0.1 (mm)	s±0.5 (mm)
		sleeve		sleeve			
		D±0.5 (mm)	L±2 (mm)	D max (mm)	L max (mm)		
1	0.7	3.2	8	4.0	10	0.4	0.8
2	2.5	5	12	5.8	14	0.6	1.3
3	3.5	6	14	6.8	16	0.6	1.6
4	6.0	8	14	8.8	16	0.8	2.0
5	10.0	8	22	8.8	24	0.8	2.0
6	16.0	10	22	10.8	24	0.8	4.0

4, Rated voltage, Derated voltage and Capacitance Table 2

Rated Voltage(V)	6.3 0J	10 1A	16 1C	25 1E	32 1X	40 1G	63 1J
Derated Voltage(V)	4	6.3	10	16	20	25	40
Case Code	Nominal Capacitance(μ F)						
1	6.8	3.3	2.2	1.5	1.0	0.68	0.22
		4.7	3.3	2.2	1.5		0.33
	10	6.8				1.0	0.47
2	15	10	4.7	3.3	2.2	1.5	0.68
	22	15	6.8	4.7	3.3	2.2	1.0
	33	22	10	6.8	4.7	3.3	1.5
	47	33	15	10	6.8	4.7	2.2
		22	15	10	6.8		
	68	47	33	15	10	6.8	3.3
3	100	68	47	22		10	
		100	68	33	15	15	4.7
4	150			47	22	22	6.8
	220	150	100	68	33	33	10
5	330	220			47		15
	470	330	150	100	68	47	22
6	680	470	220	150	100	68	33
	1000	680	330	220	150	100	47

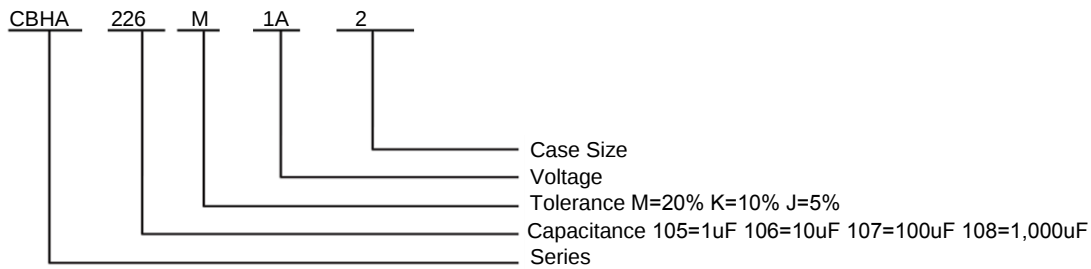
Feature of high and low temperature Table3:

Capacitance (uF)	Capacitance Change(%)			Maximum					
				Dissipation factor(%)				Leakage current(Ua)	
	-55℃	85℃	125℃	25℃	-55℃	85℃	125℃	85℃	125℃
≤1	±8	±8	±10	3	3			8I ₀	10I ₀
1.5~68				5	5				
100~330				6	6				
470~1000				8	8				

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PART NUMBER EXAMPLE



Notes:

- 1、Tantalum capacitors can't be measured by multimeter (Easily cause irreversible damage and lead to reject)
- 2、Capacitance, DF measure frequency: 100Hz, $U=2.2^{+0}_{-1.0}V$, $U=1.0^{+0}_{-0.5}V$ (effective value)
- 3、Measure leakage current above 85°C, please use derated voltage.
- 4、Special size and big capacitance products, please negotiate with us