

CBHB



1, Brief Introduction

CBHB Series wet tantalum electrolytic capacitors  
 With polar radial leads are characterized in small size, low DC Leakage,  
 stable and excellent performances, high reliability and long life. CBHB  
 Series meets the requirements of Chinese Electronic industry standard QJ/PWV82-2003,  
 widely used in electronic equipment for military and civil applications  
 such as telecommunication, aerospace and aviation.



2, Technical Characteristics

Operating Temperature Range:  $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$  ( $>85^{\circ}\text{C}$  use derated voltage)  
 Capacitance Tolerance:  $M=\pm 20\%$ ,  $K=\pm 10\%$   
 DC Leakage: at  $+20^{\circ}\text{C}$ ,  $I_0 \leq 0.001 C R_{UR}$  or  $1\mu\text{A}$  (Whichever is greater);  
                   at  $+85^{\circ}\text{C}$   $I_0 \leq 0.01 C R_{UR}$  or  $10\mu\text{A}$  (Whichever is greater)  
                   At  $+125^{\circ}\text{C}$ ,  $I_0 \leq 0.015 C R_{UR}$  or  $15\mu\text{A}$  (Whichever is greater)  
 DF (tg $\delta$ ) at  $20^{\circ}\text{C}$  please see table 2

3, Outline and dimensions:

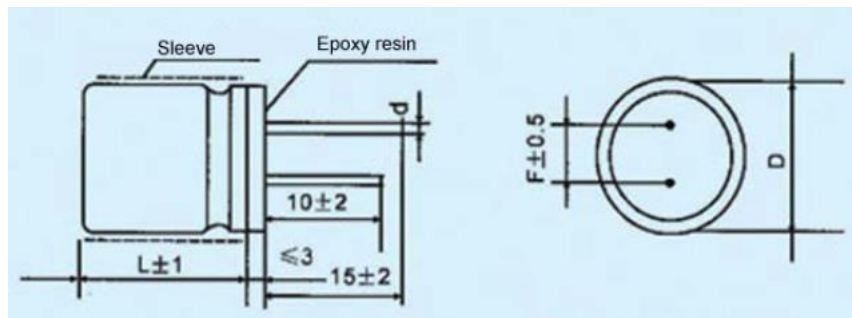


Table 1 Dissipation factor at 25°C

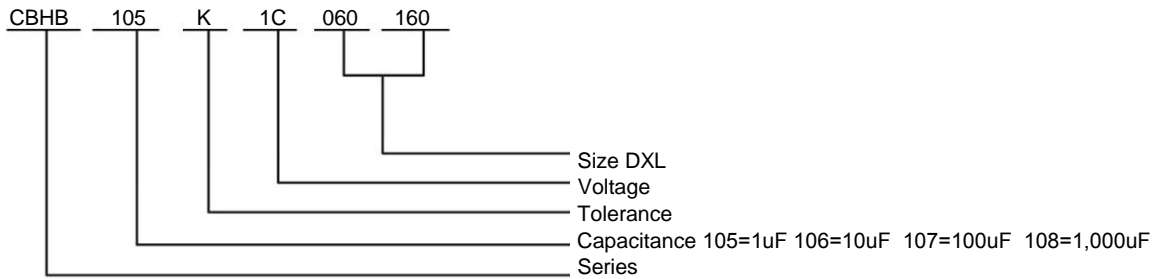
Dissipation Factor (%)	Capacitance (uF)	Rated Voltage(V)															
		1-4.7	6.8	10	15	22	33	47	68	100	150	220	330	470	680	1000	
6.3 0J					15	20	25	30	45	40	70	50	85	80	90		
10 1A				10	15	15	15	30	20	50	45	70	75	65	80		
16 1C			10	10	10	12	20	20	35	35	60	70	50	70	90		
25 1E		8	8	10	10	20	15	30	25	50	50	40	50	80			
40 1G	6	8	8	10	20	12	25	20	35	35	30	45	45				
63 1J	6	8	8	10	18	12	25	25	20	28	45	45					
100 2A	6	8	10	18	15	25	28	20	25	40							
125 1Q	6	8	15	15	20	23	20	23									



Table 2 Rated voltage, derated voltage, dimensions and nominal capacitance.

Rated Voltage(V)			6.3	10	16	25	40	63	100	125
Derated Voltage(V)			4	6.3	10	16	25	40	63	75
Dimensions(mm)			Nominal Capacitance(uF)							
DxL	F	d								
6x16	3.5	0.8	100	68	47	33	22	15	6.8	4.7
			150	100	68	47	33	22	10	6.8
8x14	5.0	0.8	220	150	100	68	47	33	15	10
			330	220	150	100	68	47	22	15
10x14	5.0	0.8	470	330	220	150	100	68	33	22
			680	470	330	220	150	100	47	33
10x16	5.0	0.8	1000	680	470	330	220	150	68	47
12x20	6.0	1.0			680	470	330	220	100	68
12x24	6.0	1.0			1000	680	470	330	150	

### 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,  $U = 2.2 \begin{matrix} 0 \\ -1.0 \end{matrix} V$ ,  $U \sim 1.0 \begin{matrix} 0 \\ -0.5 \end{matrix} V$  (effective value)
- 3、Measure leakage current above 85°C, please use derated voltage.
- 4、Special size and big capacitance products, please negotiate with us