

CBDB glass-sealed. equative CA30M series



1, Brief Introduction

CBDB Series is half-sealed tubular wet tantalum electrolytic capacitors

With polar axial leads are characterized in small size, low DC Leakage, stable and excellent performances, high reliability and long life. CBDB

Series meets the requirements of Chinese Electronic industry standard SJ/T10030-91, widely used in electronic equipment for military and civil applications such as telecommunication, aerospace and aviation.

2, General Characteristics

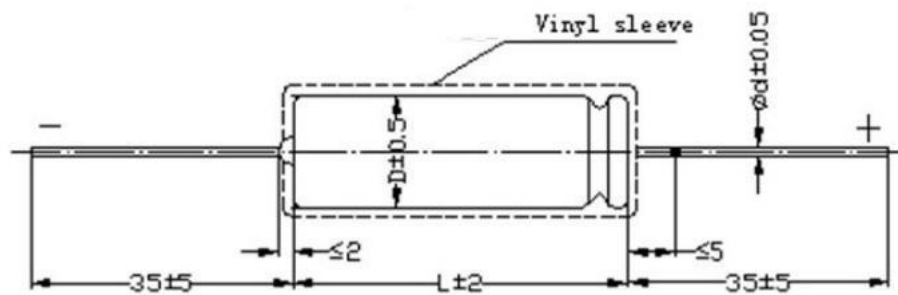
Operating Temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$, use derated voltage)

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

DC Leakage: at $+20^{\circ}\text{C}$, $I_0 \leq 0.001C_R U_R$ or $1\mu\text{A}$ (Which is greater);

At $+85^{\circ}\text{C}$ and $+125^{\circ}\text{C}$, $I_0 \leq 0.008C_R U_R$ or $8\mu\text{A}$ (Which is greater)

3, Drawing , Case Dimension and Max. weight:



Outline and Dimensions

Table 1

Code	Max. weight (g)	D±0.5 (mm)	L±2 (mm)
0	3	5	10
1	4	5	14
2	5	6	16
3	7	8	16
4	10	8	22
5	14	10	22
6	17	10	25
7	20	10	30
8	23	10	33



4, General Characteristics table 2

Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25℃,85℃,125℃	Impedance (Ω) -55℃ 100HZ
6.3 0J	4	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		0	15	10	200
		0	22	10	180
		0	33	12	125
		0	47	15	125
		0	68	18	125
		0	100	20	100
		1	150	30	80
		1	220	40	70
		2	330	40	60
		2	470	50	50
		3	680	50	35
		3	1000	60	25
		4	1200	60	25
		4	1500	60	20
		5	2200	70	20
		6	3300	80	15
10 1A	6.3	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	250
		0	15	10	200
		0	22	10	175
		0	33	12	125
		0	47	15	100
		0	68	18	80
		0	100	20	60
		1	150	30	55
		2	220	40	45
		2	330	45	40

Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25℃,85℃,125℃	Impedance (Ω) -55℃ 100HZ
10 1A	6.3	3	470	50	35
		3	680	50	30
		4	1000	50	25
		4	1200	60	25
		5	1500	60	20
		6	2200	70	20
16(15) 1C (1R)	10	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		0	15	10	180
		0	22	10	150
		0	33	12	110
		0	47	12	90
		0	68	18	80
		1	100	20	70
		2	150	30	60
		2	220	40	55
		3	330	40	45
		4	470	40	40
		5	680	45	35
		6	1000	50	30
		6	1200	50	25
		7	1500	60	20
25 1E	16	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	300
		0	10	8	260
		0	15	10	175
		0	22	10	150
		0	33	12	110
		0	47	12	80
		1	100	20	70
		2	68	20	75



Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25℃,85℃,125℃	Impedance (Ω) -55℃ 100HZ
25 1E	16	3	150	25	60
		3	220	30	55
		4	330	30	45
		5	470	40	40
		6	680	40	35
		7	1000	40	30
		7	1200	50	25
		8	1500	60	20
40 1G	25	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	450
		0	6.8	8	350
		0	10	8	260
		0	15	10	175
		0	22	12	140
		1	33	12	110
		2	47	15	80
		2	68	15	75
		2	100	20	65
		3	150	20	50
		4	220	25	45
		5	330	25	35
		5	470	30	35
		6	560	40	35
		6	680	40	30
		7	1000	45	30
		8	1200	50	25
50 1H	30	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		0	15	10	175
		1	22	12	150
		2	33	12	110
		2	47	15	80

Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25℃,85℃,125℃	Impedance (Ω) -55℃ 100HZ
50 1H	30	3	68	15	75
		3	100	20	65
		4	150	20	50
		4	220	25	45
		5	330	25	45
		6	470	35	35
		7	680	40	30
		8	1000	50	30
63 1J	40	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		1	15	10	175
		2	22	12	140
		2	33	12	100
		2	47	15	80
		3	68	15	65
		3	100	20	60
		4	150	20	50
		5	220	25	45
		6	330	25	35
		7	470	40	30
75 (70) 1M(1L)	50	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		1	6.8	8	350
		1	10	8	260
		2	15	10	175
		2	22	12	150
		3	33	12	110
		3	47	15	80
		4	68	15	70
		4	100	20	60

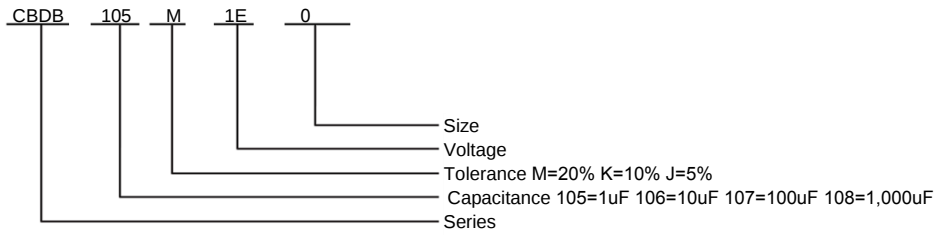


Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25℃,85℃,125℃	Impedance (Ω) -55℃ 100HZ
	50	5	150	20	50
		6	220	25	45
		7	330	25	35
100 (90) 2A (1S)	63	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		1	6.8	8	350
		1	10	10	260
		2	15	10	175
		2	22	15	150
		3	33	15	100
		3	47	15	70
		4	68	20	65
		5	100	20	60
		6	150	20	50
		7	220	6	40
125 1Q	75	0	0.47	6	4500
		0	0.68	6	3000
		0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		1	4.7	8	500
		1	6.8	10	350
		2	10	10	260
		2	15	15	175
		3	22	15	150
		3	33	15	120
		4	47	15	90
		5	68	15	70
		6	100	15	50
		7	150	20	45

CBDB



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, $U=2.20-1.0V$, $U\sim 1.00-0.5V$ (effective value).
- 3、Measure leakage current above 85°C, please use derated voltage.
- 4、Special size and big capacitance products, please negotiate with us