

CBDE Metal Case | Hermetic Sealed



1, Brief Introduction and Feature

- 1) CBDE (equative CA30T series) Metal case, hermetic sealed, with insulation sleeve wet tantalum electrolytic capacitors.
- 2) With polar, axial leads through hole, long life, good performances and stability.
- 3) Widely used in electronic equipment for communication equipment etc. industrial device.

Meet standard: QJ/PWV93-2003

2, General Characteristics

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

Capacitance range: $1.7\mu\text{F} \sim 1200\mu\text{F}$

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

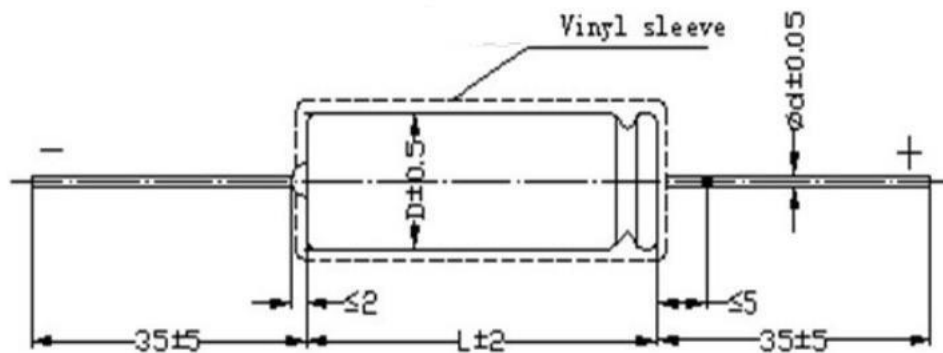
Voltage: 6V $\sim$ 125V

DF see Table 2

DCL see table 2

Case sizes, Dimensions and Max. weight: As shown in Table 1 and figure 1.

Nominal Capacitance, Rated voltage, Voltage Derating: See table 2



Outline and Dimensions

Table 1

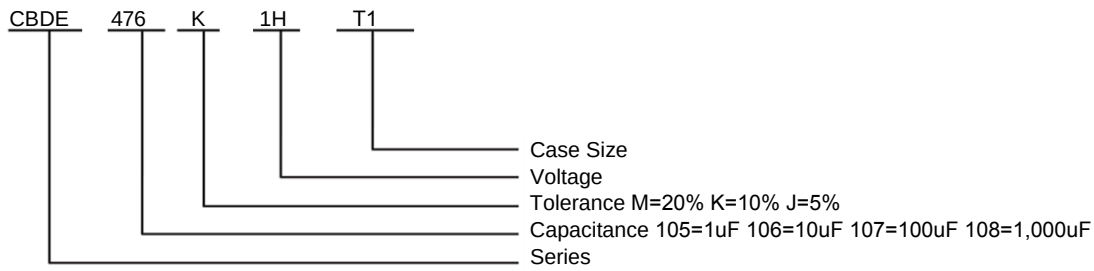
Code	Max. weight (g)	Without sleeve		With sleeve	
		D ± 0.4 (mm)	L ± 0.8 (mm)	D ± 0.4 (mm)	L ± 0.8 (mm)
T1	4	4.8	11.5	5.6	12.8
T2	7	7.2	16.3	7.9	17.1
T3	14	9.5	19.5	10.3	20.3
T4	19	9.5	27	10.3	27.8

4, General Characteristics Table 2

Rated Voltage (V)	Voltage Derating (V)	Case size	Cap. (μF)	DCL (μA)Max		IMP (Ω) -55℃ 100Hz	Tgδ (%) 25℃ 85℃ 125℃	Rated Voltage (V)	Voltage Derating (V)	Case size	Cap. (μF)	DCL (μA)Max		IMP (Ω) -55℃ 100Hz	Tgδ (%) 25℃ 85℃ 125℃				
				25℃	85℃ 125℃							25℃	85℃ 125℃						
60I	4	T1	30	1	2	100	9.1	30	20	T4	300	8	32	25	35				
		T1	68	1	2	60	20.4	50	30	T1	5	1	2	400	3.4				
		T2	140	1	3	40	21.3			T1	10	1	2	250	6				
		T2	270	1	6.5	25	81.8			T2	25	1	5	95	11.2				
		T3	330	2	7.9	20	49.6			T2	47	1	9	70	21.4				
		T3	560	2	13	25	128			T3	60	2	12	45	13.6				
		T4	1200	3	14	20	144			T3	82	2	16+	45	24.9				
		80K	5	T1	25	1	2			100	7.6	60	40	T4	160	8	32	27	25.7
T1	56			1	2	59	17			T1	4			1	2	550	3		
T2	220			1	7	30	66.4	T1	8.2	1	2			275	5				
T3	430			2	14	25	91.5	T2	20	1	5			105	7.6				
T4	850			4	16	22	65.8	T2	39	1	9			90	20.7				
101A	7			T1	20	1	2	175	6.1	75	50			T3	50	2	12	50	15.3
				T1	47	1	2	100	18.1					T3	68	2	16	50	30.7
				T2	100	1	4	60	15.2					T4	140	8	32	28	25.7
		T2	180	1	7	40	54.4	T1	3.5			1	2	650	2.5				
		T3	250	2	10	30	37.8	T1	6.8			1	2	300	4.1				
		T3	390	2	16	25	87.6	T2	15			1	5	150	7.5				
		T4	750	4	16	23	56.5	T2	33			1	10	90	17.5				
		151R	10	T1	15	1	2	155	5.7			100	65	T3	40	2	12	60	15.2
T1	33			1	2	90	12.5	T3	56	2	17			60	25.6				
T2	70			1	4	75	13.1	T4	110	9	36			29	25.7				
T2	120			1	7	50	36.8	T1	2.5	1	2			950	5				
T3	170			2	10	35	25.4	T1	4.7	1	2			500	3.6				
T3	270			2	16	30	60.9	T2	11	1	4			200	5				
T4	540			6	24	23	49	T2	22	1	9			100	11.8				
251E	15			T1	10	1	2	220	4.6	125	85			T3	30	2	12	80	9.1
		T1	22	1	2	140	8.3	T3	43			2	17	70	19.7				
		T2	100	1	10	50	31.4	T4	86			9	36	30	20.7				
		T3	180	2	18	32	54.3	T1	1.7			1	2	1250	7				
		T4	350	7	28	24	35	T1	3.6			1	2	600	4.1				
301U	20	T1	8	1	2	275	4.5	125	85	T2	9	1	5	240	10.2				
		T1	15	1	2	175	9.1			T2	14	1	7	167	12.7				
		T2	40	1	5	65	12.2			T3	18	2	9	129	15				
		T2	68	1	8	60	31			T3	25	2	13	93	19				
		T3	100	2	12	40	19			T4	56	10	40	32	17.5				
		T3	150	2	18	35	46												



PART NUMBER EXAMPLE



Notes:

- 1、Tantalum capacitors can't been measured by multimeter (Easily cause irreversible damage and lead to reject)
- 2、Capacitance, DF measure frequency: 100Hz, $U=2.20-1.0V$, $U=1.00-0.5V$ (effective value), measure method is by series equivalent circuit.
- 3、Measure leakage current above $125^{\circ}C$, please use derated voltage. DLC read within 5 minute.
- 4、Special size and big capacitance products, please negotiate with us