

Distributeur : JBG-METAFIX

Features

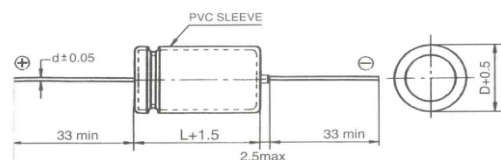
- Load life of 2,000 hours at 85°C.
- Axial type aluminum electrolytic capacitors.
- Case size larger than 6.3mm diameter has safety vent on rubber bun..



Characteristics

Item		Characteristics								
Operating temperature range		-40~+85℃								
Rated voltage range		10~100V								
Capacitance range		0.47~10,000 μ F								
Capacitance tolerance (at20℃,120Hz)		±20%(M)								
Leakage current(I) (at20℃)		After 2 minute application of rated voltage. I≤0.01CV (μ A) Where C: Nominal capacitance in μ F,V:Rated voltage in V.								
Dissipation factor(Tan δ) (at 20℃,120Hz)		W.V.(V)		10	16	25	35	50	63	100
		Tan δ (max.)		0.20	0.16	0.14	0.12	0.10	0.09	0.08
		For capacitance of more than 1,000 μ F,add 0.02 for every increase of 1,000 μ F.								
Low temperature characteristics (at 120Hz)		W.V.(v)		10		16~ 25		35~100		
		impedance ratio	Z-25℃/Z+20℃	3		2		2		
			ZT/Z+20℃(max)	Z-40℃/Z+20℃	6		4		3	
Load life		The following specifications shall be satisfied when the capacitors are restored to 20℃after the rated voltage with max. ripple current has been applied for 5,000 hours(3,000 hours for case dia.8 & 10mm,2,000hours for case dia. 6.3mm) at 105℃								
		Capacitance change		≤20% of the initial value						
		tan δ		≤200% of the initial specified value						
		I		≤The initial specified value						
Shelf life		The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them at 105℃ for 500 hours without voltage applied								
		Capacitance change		≤20% of the initial value						
		tan δ		≤150% of the initial specified value						
		I		≤200% of the initial specified value						
Others		Satisfies characteristic W of JIS C5141								

Dimensions



D	5~13	16~25
d	0.6	0.8



TMCE15 Axial Standard Aluminum Electrolytic Capacitors

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Case Size DxL(mm) and Maximun Ripple current(mA rms/at 85°C,120Hz)

W.V.(v) Cap.(μF)	10		16		25		35		50		63		100	
0.47									5×12	5	5×12	5	5×12	5
1									5×12	10	5×12	18	5×12	18
2.2									5×12	23	5×12	28	5×12	28
3.3									5×12	28	5×12	31	5×12	34
4.7									5×12	34	5×12	37	5×12	40
10					5×12	40	5×12	45	6.3×12	50	6.3×12	55	8×13	60
22			5×12	60	5×12	65	6.3×12	70	6.3×12	85	6.3×14	90	8×16	120
33			5×12	70	5×12	80	6.3×12	90	6.3×14	110	8×13	120	10×17	150
47	5×12	80	5×12	85	6.3×12	100	6.3×14	120	8×13	130	8×16	160	10×21	190
100	6.3×12	130	6.3×14	160	8×13	170	8×16	210	10×17	220	10×17	260	13×22	340
220	8×13	210	8×16	260	8×16	280	10×17	340	10×21	410	13×22	480	16×26	560
330	8×16	300	8×16	320	10×17	380	10×21	460	13×22	560	13×22	650		
470	8×16	350	8×16	430	10×21	510	13×22	610	13×22	730	13×26	840		
1,000	10×17	640	10×17	770	13×22	900	13×24	1,060	16×33	1,260	16×36	1,330		
2,200	13×22	1,090	10×21	1,180	16×28	1,480	16×33	1,580	18×36	1,920	20×42	2,160		
3,300	13×26	1,390	13×24	1,620	16×33	1,710	18×36	2,050	20×42	2,340	25×43	2,470		
4,700	16×28	1,730	16×36	1,840	18×36	2,170	20×36	2,470	25×43	2,650	25×54	2,710		
6,800	16×33	1,930	18×36	2,310	18×42	2,580	22×43	2,720						
10,000	18×36	2,350	20×36	2,620	22×42	2,940	25×54	2,600						

Ripple Current Multipliers

Frequency multiplying factor

Freq(Hz) Cap.(μF)	50	120	300	1k	10k
0.47~47	0.75	1.00	1.35	1.57	2.00
100~470	0.80	1.00	1.23	1.34	1.50
1,000~10,000	0.85	1.00	1.10	1.13	1.15

Temperature multiplying factor

Temperature(°C)	45	65	85
Factor	1.59	1.23	1.00

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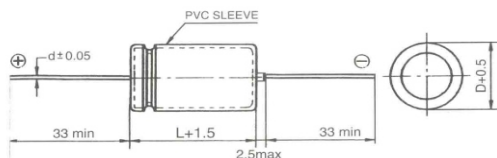
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