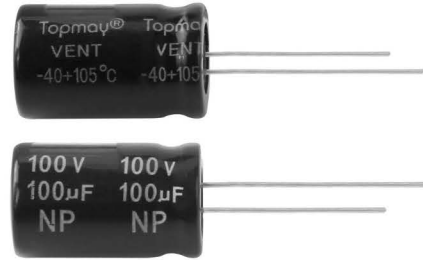


TMCE07 Bi-Polar Aluminum Electrolytic Capacitor 105' C

Features

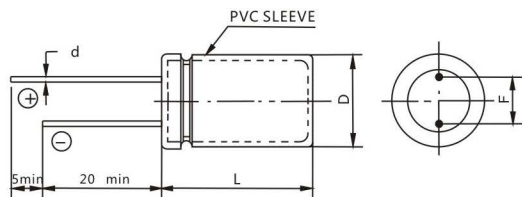
- Load life of 2,000 hours at 105°C.
- Bi-polar, low dissipation factor and stable temperature characteristics.
- Allowing high frequency and high ripple current.
- Having safety vents.



Specifications

Item	Characteristics		
Operating temperature range	-40 +105°C		
Rated voltage range	6.3~100V		
Capacitance range	0.47-6,800μF		
Capacitance tolerance (at 20°C,120Hz)	±20%(M)		
Leakage current(I) (at 20°C)	After 1 minute application of rated voltage. I ≤100μA		
Dissipation factor(Tanδ) (at 20°C,120Hz)	0.05max		
Low temperature characteristics (at 120Hz)	Impedance ratio ZT/Z+20(max.)	Z-25°C/Z+20°C	2
		Z-40°C/Z+20°C	3
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage has been applied for 2,000 hours at 105°C. with the polarity inverted every 250 hours.		
	Capacitance change	≤±15% of the initial value	
	tanδ	≤200% of the initial specified value	
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 105°C for 500 hours without voltage applied		
	Capacitance change	≤±15% of the initial value	
	tanδ	≤150% of the initial specified value	
Others	Satisfies characteristic W of JIS C5102		

Dimensions



D±0.5	13	16	18		
L±2.0	25	25	30	35	35
F±0.5	5.0	7.5			
d±0.05	0.6	0.8			

Case Size DxL(mm) and Maximum Ripple current(at DC 105°C,120 Hz)

Cap(μF)		2.2	3.3	4.7	5.6	6.8	10
DxL		13x25	16x25	16x30	16x30	16x35	18x35
Maximum ripple current	70°C	5.0AP-P	6.0AP-P	7.0AP-P	7.5AP-P	8.0AP-P	10.0AP-P
	85°C	3.8AP-P	4.6AP-P	5.4AP-P	5.8AP-P	6.2AP-P	7.7AP-P
	105°C	2.3AP-P	2.7AP-P	3.2AP-P	3.4AP-P	3.6AP-P	4.5AP-P



Case Size DxL(mm) and Maximum Ripple current (mA rms/at 105°C,120 Hz)

W.V(v) Cap(μF)	10	16	25	35	50	63
2.2		5x11	5x11	5x11	5x11	5x11
3.3		5x11	5x11	5x11	5x11	5x11
4.7		5x11	5x11	5x11	5x11	6.3x11
6.8	5x11	5x11	5x11	5x11	6.3x11	6.3x11
10	5x11	5x11	5x11	5x11	6.3x11	6.3x11
22	5x11	5x11	5x11	6.3x11	8x12	8x12
33	5x11	5x11	6.3x11	8x12	8x12	10x12
47	5x11	6.3x11	6.3x11	8x12	10x12	10x16
68	6.3x11	6.3x11	8x12	10x12	10x16	10x20
100	6.3x11	8x12	10x12	10x16	10x20	13x20
220	8x12	8x12	10x16	10x20	13x20	
330	10x12	10x16	10x20	13x20		
470	10x16	10x20	13x20			
680	10x20	13x20				
1000	10x20	13x20				

Note:10×12 can also be 8×15 as per customer's request