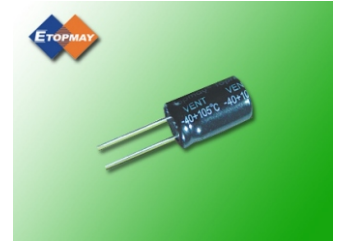




# TMCE07 Bi-Polar Aluminum Electrolytic Capacitor 105°C

## Features

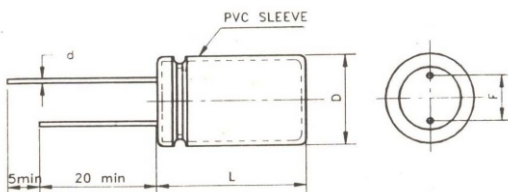
- Load life of 2,000 hours at 105°C.
- Bi-polar, low dissipation factor and stable temperature characteristics.
- Allowing high frequency and high ripple current.
- Having safety vents.



## Specifications

Item	Characteristics		
Operating temperature range	-40~+105°C		
Rated voltage range	50V		
Capacitance range	2.2-10 μ F		
Capacitance tolerance (at 20°C, 120Hz)	±20%(M)		
Leakage current(I) (at 20°C)	After 1 minute application of rated voltage. I ≤ 100 μ A		
Dissipation factor(Tan δ) (at 20°C, 120Hz)	0.05max		
Low temperature characteristics (at 120Hz)	Impedance ratio ZT/Z+20°C(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	
	tan δ	≤ 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	
	tan δ	≤ 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 12V,15.75kHz)

Cap.(μ F)		2.2	3.3	4.7	5.6	6.8	10
D x L		13×25	16×25	16×30	16×30	16×35	18×35
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