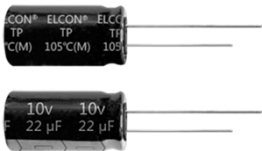


TP Series

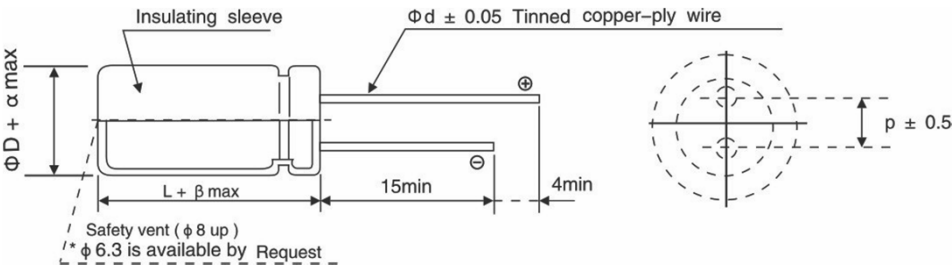
- Bi-polarized, 5mm height, wide Temp.Range



SPECIFICATIONS

Item	Characteristics							
Category Temperature Range	-40 ~ +105℃							
Voltage Range	6.3 ~ 50V.DC							
Nominal Cap. Range	0.1 ~ 47μF							
Capacitance Tolerance	± 20 % (at 120Hz , 20℃)							
Leakage Current	I=0.05CV or 10 (μA), whichever is greater (After 5 minutes). where, I: max.leakage current (μA), C:Nominal capacitance(μF), V: Rated voltage (V) (at 20℃)							
Dissipation Factor (MAX) (tanδ) (at 120Hz ,20℃)	WV	6.3	10	16	25	35	50	
	tanδ	0.26	0.22	0.20	0.20	0.20	0.20	
Low Temp.Impedance Stability at 120Hz								
	WV		6.3	10	16	25	35	50
	Z-25℃ / Z+20℃		6	4	4	3	2	2
	Z-40℃ / Z+20℃		12	10	8	6	4	4
Endurance	After applying rated voltage with max ripple current for 1000 hours at 105℃ ,(the polarity shall be reversed every 500 hours),the capacitor shall meet the following requirements.							
	Capacitance change			≤ ±25% of the initial value				
	Dissipation Factor			≤ 200% of the initial specified value				
	Leakage Current			≤ the initial specified value				
Shelf Life	After storage for 500 hours at 105℃ with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met.							

DRAWING



Unit:(mm)

ΦD	4	5	6.3
P	1.5	2.0	2.5
Φd	0.45		
β	1.0		
α	0.5		

MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency Coefficient

Freq.(Hz)	60(50)	120	500	1K	10K
Coefficient	0.80	1.00	1.20	1.30	1.50

(2) Temperature Coefficient

Ambient Temperature(℃)	≤50	70	85	105
Coefficient	2.10	1.78	1.65	1.00

Series

[illegible]