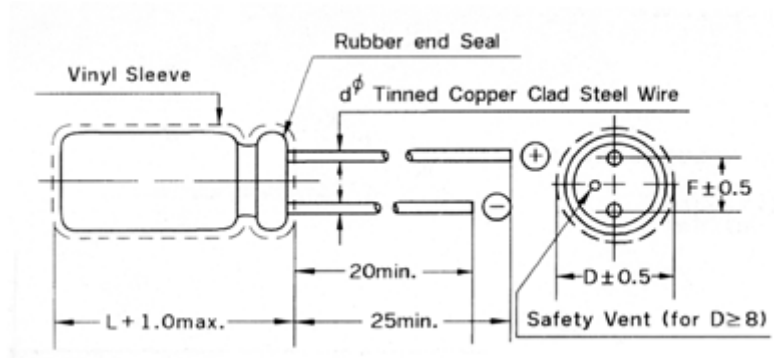




TYPE EL

FEATURES:

- 105 °C operating temperature range
- Suitable for high temperature consumer and industrial equipments
- Load life of 1000 hours at 105 °C



Dimensions in mm							
Dø	5	6.3	8	10	13	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dø	0.5	0.5	0.5	0.6	0.6	0.8	0.8

SPECIFICATIONS:

ITEM	TYPE EL	
Operating Temperature Range	- 40 °C ~ + 85 °C	
Capacitance tolerance	± 20% at 120 Hz, 20 °C	
Leakage Current (I = DC Current in µA max.)	$I \leq 0.01 CV + 3 \mu A$, measured after 3 minutes application of rated working voltage. Where, C = Rated Capacitance (µF) V = Rated Working Voltage (V DC)	
Working Voltage (DC)	6.3 V 10 V 16 V 25 V 35 V 50 V 63 V 100 V	
Surge Voltage (DC)	8 V 13 V 20 V 32 V 40 V 63 V 79 V 125 V	
Dissipation Factor (tan δ) max at 120 Hz	0.24 0.20 0.17 0.15 0.12 0.10 0.10 0.08	
(For capacitance exceeds 1,000 µF, the value of tan δ is increased by 0.02 for every additional 1000 µF)		
Impedance Ratio at Low Temperature at 120 Hz	W.V 6.3 V 10 V 16 V 25 V 35 V 50 V 63 V 100 V	
	Z@ -25 °C / Z@ +20°C	4 3 2 2 2 2 2 2
	Z@ -40 °C / Z@ +20°C	8 6 6 4 4 3 3 3
Load Life Test (after application of the rated voltage for 1000 hours at +105 °C)	The capacitor shall meet following limits: Capacitance Change ≤ 20% of initial value Leakage Current ≤ specified maximum value Dissipation Factor ≤ 200% of specified maximum value	
Shelf Life Test (after 500 hours exposing at 105 °C without voltage applied)	The capacitor shall meet following limits: Capacitance Change ≤ 20% of initial value Leakage Current ≤ specified maximum value Dissipation Factor ≤ 200% of specified maximum value	

