

## MI Series

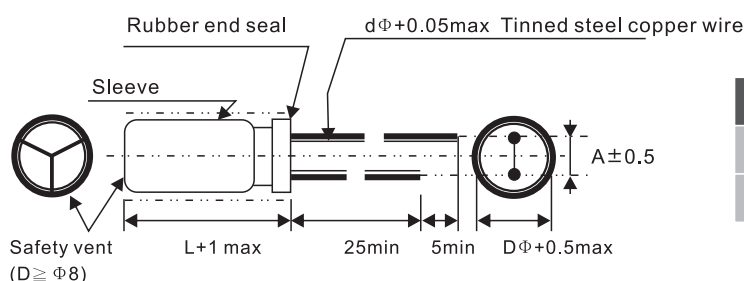
- 7mmL, height, 2000-hours-load life at 85 °C



### • SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	- 40 to + 85°C								
Rated Voltage Range	4v to 63Vdc								
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)								
Leakage Current	I ≤ 0.01CV or 3 μA , whichever is greater. Where, I :Max. Leakage current (μA). C: Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)								
Dissipation Factor (tan δ)	Rated voltage (Vdc)	4V	6.3V	10V	16V	25V	35V	50V	63V
	tan δ (Max.)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.10
Low Temperature Characteristics	Impedance ration max at 120Hz								
	Working voltage	4v	6.3v	10v	16v	25v	35v	50v	63v
	Z-25°C/ Z+20°C	7	4	2	2	2	2	2	2
	Z-40°C/ Z+20°C	14	10	8	6	4	4	4	4
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 2000 hours at 85°C								
	Capacitance change	≤ ±20% of the initial value							
	DF (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 for 500 hours at 85°C without voltage applied.								
	Capacitance change	≤ ±20% of the initial value							
	DF (tan δ)	≤ 200 % of the initial specified value							
Ripple Current Multiplier	Temperature coefficient								
	Temperature(°C)	~55	60	70	85				
	Factor	1.65	1.50	1.30	1.00				
	Frequency coefficient								
	cap \ freq	50	120	300	1K	10K~			
	~47	0.75	1.00	1.20	1.30	1.45			
100~470	0.80	1.00	1.10	1.15	1.20				

### • Diagram: (Unit: mm)



Body Dia ΦD	4	5	6	8
Lead Dia Φd	0.45	0.50	0.50	0.50
Lead Space A	1.5	2.0	2.5	3.5

