MI series 7mmL, 85°C 標準品

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 3μA , 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

(at 20°C ,120Hz)

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
Leakage current	≦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
Leakage current	≦The initial specified value

Ripple Current Multiplier

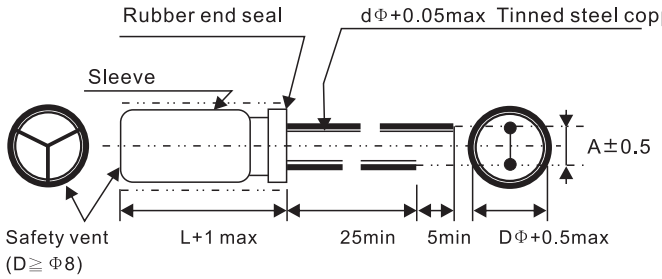
Temperature coefficient

Temperature(℃)	~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