

MML-N Series

(For SMD Metallized Polyethylene Naphthalate Film Capacitors)

Features

- Case-less, high-performance, high-reliability metallized Film chip capacitors
- Use of a specific terminal construction provides high resistance to skewness and falling after board mounting, and to stress at board division.
- Re-flow soldering temperature is from 220°C to 240°C
- RoHs compliant and reduced hazard chemical substance
- Suitable for high voltage and high heat resistance.

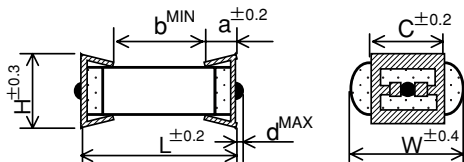
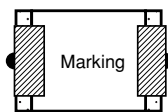
Application

- Suitable for the standard electronics and filter circuit

Product Specifications

Items	Specifications
Temperature range	-40°C ~ + 85°C (+105°C, with derating over 85°C)
Rated voltage	400 V.DC, 630 V.DC
Capacitance tolerance	±5% (J), ±10% (K)
Dielectric dissipation factor	0.70% or less (20°C, 1KHz)
Withstanding voltage	Rated voltage(V.DC) × 1.5 for one min.
Insulation resistance	1,000 MΩ or more
Solder heat resistance	Reflow : Peak 240°C for 5 sec. or less (Capacitor surface)

Outline of drawings and dimensions



Product symbol : (Example) MML-N Series 400V DC 0.1μF±10%

MML-N-2G-104 K T F

Type of series
 2G : Packing method code
 104 : Capacitance code
 K : Capacitance tolerance code
 T : Lead free terminal code
 F : Rated voltage code

Standard value and case size

(Unit : mm)

Voltage rating (V.DC)	Capacitance		Dimensions						
	(μF)	Code	H	W	L	a	b	c	d
400	0.010	2G-103	3.5	6.6	7.9	1.2	4.8	4.3	0.3
400	0.022	2G-223	3.5	6.6	7.9	1.2	4.8	4.3	0.3
400	0.047	2G-473	3.5	8.2	10.4	1.2	4.8	4.3	0.3
400	0.10	2G-104	5.0	11.2	10.4	1.2	4.8	4.3	0.3
630	0.010	2J-103	3.5	6.6	7.9	1.2	4.8	4.3	0.3
630	0.022	2J-223	5.0	8.3	7.9	1.2	4.8	4.3	0.3
630	0.047	2J-473	5.0	9.8	10.4	1.2	4.8	4.3	0.3