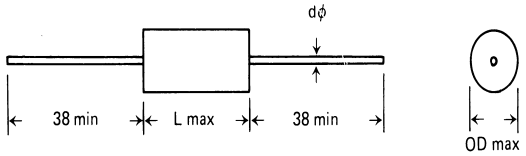
METALLIZED POLYPROPYLENE (OPP), NON-INDUCTIVE, WRAP & FILL



APPLICATION

Widely used in communication & electronic industries, timing, integrating and filter networks.

FEATURES

- High reliability and excellent long term stability.
- Low losses, excellent for high frequency applications.
- Miniature size and light weight.
- Available tape and reel package for auto-insertion.
- ±1% and ±2% available upon request.

SPECIFICATIONS

Performance Characteristics	
Operating Temperature Range	-40°C ~ +85°C.
Voltage Range	160, 250, 400, & 630VDC.
Withstanding Voltage (between leads)	1.5 times rated voltage for 5 seconds.
Capacitance Range	0.01µF ~ 4.7µF.
Capacitance Tolerance	±5%, ±10%, & ±20%.
Maximum Dissipation Factor % (25°C)	0.2 @ 1KHz (typical 0.1). 0.2 @ 10KHz, 0.01µF < C 0.1µF. 0.3 @ 10KHz, 0.1µF < C 1.0µF.
Minimum Insulation Resistance (25°C)	IR ≥ 30000MΩ (C < 0.33µF). IR ≥ 10000MΩ x µF (C ≥ 0.33µF).

PART NUMBERING

Part Number Example: 2101-250/104KF						
2101	**-**	**250**	**/**	**104**	**K**	**F**
Type		Rated DC Voltage		Capacitance Code (pF)*	Tolerance Code	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).						

MAXIMUM PULSE RISE TIME (DV/DT) V/µSECOND

WVDC	L Maximum						
	10.5	14.0	19.0	25.0	32.0	37.0	47.0
160	5	5	3	8	1	0.9	
250		10	7	4	2.5	1.2	
400		13.5	10	6.5	4	2.0	
630		20	15	10	6	4	2.2

D	dØ
up to 8mm	0.6mm
over 8mm	0.8mm

Cap. (µF)	160WVDC		250WVDC		400WVDC		630WVDC	
	D	L	D	L	D	L	D	L
0.01	5.0	10.5	5.0	14.0	5.5	14.0	6.5	14.0
0.015	5.0	10.5	5.5	14.0	6.0	14.0	7.0	14.0
0.022	5.0	10.5	6.0	14.0	7.0	14.0	8.0	14.0
0.033	5.5	14.0	6.0	14.0	7.5	14.0	8.0	19.0
0.047	5.5	14.0	6.5	14.0	8.0	14.0	9.0	19.0
0.068	6.5	14.0	7.5	14.0	8.0	19.0	9.0	25.0
0.10	7.0	14.0	8.0	14.0	8.5	19.0	11.0	25.0
0.15	8.0	14.0	8.5	14.0	8.5	25.0	11.0	32.0
0.22	8.0	19.0	9.0	19.0	9.5	25.0	13.0	32.0
0.33	9.0	19.0	9.0	25.0	11.5	25.0	15.0	32.0
0.47	10.0	19.0	10.5	25.0	12.0	32.0	17.0	32.0
0.68	11.0	25.0	12.5	25.0	14.0	32.0	18.0	37.0
1.0	12.0	25.0	12.5	32.0	16.5	32.0	19.0	47.0
1.5	13.5	32.0	14.5	32.0	18.0	37.0		
2.2	15.0	32.0	16.5	32.0	21.0	37.0		
3.3	16.0	37.0	16.5	37.0				
4.7	18.0	37.0	19.0	37.0				

*Higher voltages 1000, 1500, & 2000VDC are available upon request.