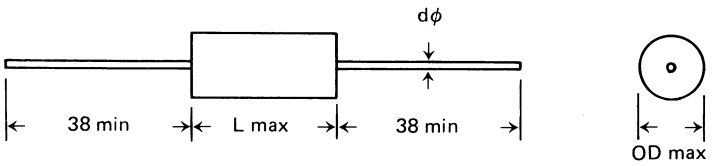
METALLIZED POLYESTER, POLYETHYLENE TEREPHTHALATE (PET) NON-INDUCTIVE, WRAP AND FILL



APPLICATION

Widely used in communication and industrial equipment as critical coupling, bypassing, blocking and low frequency tuned circuits.

FEATURES

- High reliability.
- 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 with voltage derating of 1.5%/°C between 85°C & 105°C.
Voltage Range	100, 250, 400, & 630 VDC.
Withstanding Voltage (between leads)	1.5 times rated voltage for 5 seconds.
Capacitance Range	0.0047µF ~ 18.0µF.
Capacitance Tolerance	±5%, ±10%, & ±20%.
Maximum Dissipation Factor % (25°C, 1KHz)	1.0.
Minimum Insulation Resistance (25°C)	15000MΩ (< 0.33µF). 5000MΩ x µF(≥ 0.33µF).

PART NUMBERING

Part Number Example: 901-250/105KF						
901	**-**	**250**	**/**	**105**	**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).						

Cap (µF)	100WVDC		250WVDC		400WVDC		630WVDC	
	D	L	D	L	D	L	D	L
0.01	5.0	10.5	5.0	10.5	5.5	14.0	6.0	14.0
0.015	5.0	10.5	5.0	10.5	5.5	14.0	6.5	14.0
0.022	5.0	10.5	5.0	10.5	5.5	14.0	7.0	14.0
0.033	5.0	10.5	5.0	10.5	6.0	14.0	6.5	19.0
0.047	5.5	10.5	5.5	14.0	7.0	14.0	7.5	19.0
0.068	5.5	10.5	5.5	14.0	6.5	19.0	8.5	19.0
0.10	6.0	10.5	6.0	14.0	7.5	19.0	9.5	25.0
0.15	6.0	14.0	7.0	14.0	8.5	19.0	10.5	25.0
0.22	6.5	14.0	7.0	19.0	8.5	25.0	10.5	32.0
0.33	7.5	14.0	8.0	19.0	10.0	25.0	11.5	32.0
0.47	7.0	19.0	9.5	19.0	11.0	32.0	14.0	32.0
0.68	8.0	19.0	9.0	25.0	13.0	32.0	17.0	32.0
1.0	9.5	19.0	10.5	25.0	15.5	32.0	20.5	32.0
1.5	9.5	25.0	11.5	32.0	17.5	32.0	19.5	47.0
2.2	11.5	25.0	13.5	32.0	18.5	37.0		
3.3	13.5	25.0	16.5	32.0	20.5	43.0		
4.7	14.0	32.0	18.0	37.0	25.5	43.0		
6.8	17.0	32.0	19.5	43.0				
8.2	18.0	32.0	20.5	47.0				
10.0	19.5	32.0	22.5	47.0				
12.0	20.5	37.0						
15.0	21.0	47.0						
18.0	24.0	47.0						

WVDC	L Maximum						
	14	19	25	32	37	43	47
100	5	3	2	1	0.9	0.8	0.7
250	10	7	4	2.5	1.5	1.0	0.8
400	13.5	10	6.5	4	3	1.5	
630	20	15	10	6			1.8

Maximum pulse rise time (dv/dt) V/µsec

D	dØ
up to 8.0mm	0.6mm
over 8.0mm	0.8mm