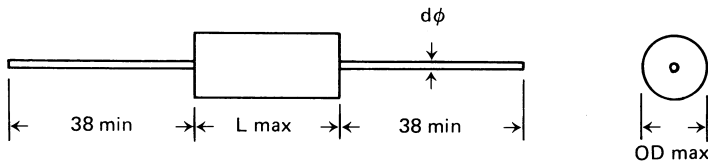


METALLIZED POLYESTER, POLYETHYLENE TEREPHTHALATE (PET) NON-INDUCTIVE, WRAP AND FILL



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 | dφ |
|-------------|-------|
| up to 8.0mm | 0.6mm |
| over 8.0mm | 0.8mm |