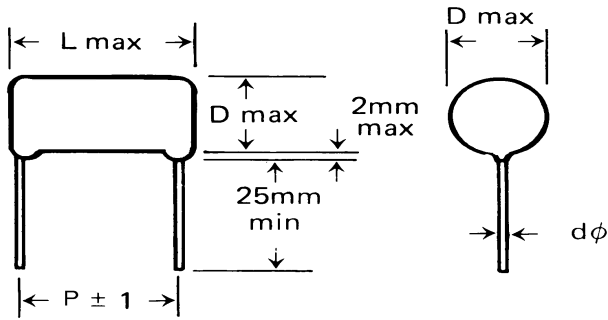


POLYPROPYLENE (OPP), EXTENDED FOIL, EPOXY COATED, PULSE APPLICATION



APPLICATION

Specifically designed for high current & pulse application in horizontal deflection circuit of TV's & Monitors.

FEATURES

- High reliability self-healing properties for high voltage application.
- Low ESR.

SPECIFICATIONS

| Performance Characteristics | |
|---|--|
| Operating Temperature Range | -40°C ~ +85°C. |
| Voltage Range | 1000 & 1500VDC ~ 2000VDC. |
| Withstanding Voltage (between leads) (25°C ± 5°C) | 2.5 times rated voltage for 5 seconds. |
| Capacitance Range | 0.001μF ~ 0.047μF. |
| Capacitance Tolerance | ±3%, ±5%, & ±10%. |
| Maximum Dissipation Factor % (25°C) | 0.1 @ 1KHz. 0.2 @ 100KHz, C - 0.01μF. 0.3 @ 100KHz, C - 0.1μF. |
| Minimum Insulation Resistance (25°C) | 50000MΩ. |
| Corona Inception Voltage (60Hz) | 500VAC. |

PART NUMBERING

| Part Number Example: 2013S-1K0/103K22F | | | | | | | |
|--|---|------------------|---|------------------------|----------------|--------------|----------------|
| 2013S | - | 1K0 | / | 103 | K | 22 | F |
| Type | | Rated DC Voltage | | Capacitance Code (pF)* | Tolerance Code | Lead Spacing | RoHs Compliant |

* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).

| μF | 0.001 - 0.0056 | 0.0068 - 0.1 |
|------|----------------|--------------|
| VDC | VAC | |
| 1000 | 400 | 450 |
| 1500 | 700 | 750 |
| 2000 | 700 | 750 |

MAXIMUM PULSE RISE TIME (VOLT/MICROSECOND)

| WVDC | P | | | |
|------|------|------|------|-----|
| | 15 | 22 | 30 | 35 |
| 1000 | 2500 | 1500 | 800 | |
| 1500 | 3500 | 2800 | 1500 | 700 |
| 2000 | 4000 | 3200 | 1800 | 850 |

For pulses equal to rated voltage.

| Cap. (μF) | 1000WVDC | | | | 1500WVDC | | | | 2000WVDC | | | |
|-----------|----------|------|------|-----|----------|------|------|-----|----------|------|------|-----|
| | L | D | P | dØ | L | D | P | dØ | L | D | P | dØ |
| 0.001 | 20.0 | 9.5 | 15.0 | 0.8 | 20.0 | 11.0 | 15.0 | 0.8 | 20.0 | 11.0 | 15.0 | 0.8 |
| 0.0015 | 20.0 | 10.5 | 15.0 | 0.8 | 20.0 | 12.0 | 15.0 | 0.8 | 20.0 | 12.0 | 15.0 | 0.8 |
| 0.0022 | 20.0 | 11.5 | 15.0 | 0.8 | 27.0 | 12.0 | 22.0 | 0.8 | 27.0 | 12.0 | 22.0 | 0.8 |
| 0.0033 | 20.0 | 12.5 | 15.0 | 0.8 | 27.0 | 13.5 | 22.0 | 0.8 | 27.0 | 13.5 | 22.0 | 0.8 |
| 0.0047 | 20.0 | 13.5 | 15.0 | 0.8 | 27.0 | 15.0 | 22.0 | 0.8 | 27.0 | 15.0 | 22.0 | 0.8 |
| 0.0068 | 20.0 | 14.5 | 15.0 | 0.8 | 35.0 | 15.0 | 30.0 | 1.0 | 35.0 | 15.0 | 30.0 | 1.0 |
| 0.01 | 27.0 | 14.0 | 22.0 | 0.8 | 35.0 | 16.5 | 30.0 | 1.0 | 35.0 | 16.5 | 30.0 | 1.0 |
| 0.015 | 27.0 | 15.0 | 22.0 | 0.8 | 35.0 | 18.0 | 30.0 | 1.0 | 35.0 | 18.0 | 30.0 | 1.0 |
| 0.022 | 27.0 | 16.0 | 22.0 | 0.8 | 40.0 | 19.0 | 35.0 | 1.0 | 40.0 | 19.0 | 35.0 | 1.0 |
| 0.033 | 35.0 | 17.0 | 30.0 | 1.0 | 40.0 | 20.5 | 35.0 | 1.0 | 40.0 | 20.5 | 35.0 | 1.0 |
| 0.047 | 35.0 | 18.0 | 30.0 | 1.0 | 40.0 | 23.0 | 35.0 | 1.0 | 40.0 | 23.0 | 35.0 | 1.0 |
| 0.056 | 35.0 | 18.5 | 30.0 | 1.0 | 40.0 | 24.0 | 35.0 | 1.0 | 40.0 | 24.0 | 35.0 | 1.0 |
| 0.068 | 35.0 | 20.0 | 30.0 | 1.0 | 40.0 | 27.0 | 35.0 | 1.0 | 40.0 | 27.0 | 35.0 | 1.0 |
| 0.082 | 35.0 | 22.0 | 30.0 | 1.0 | | | | | | | | |
| 0.10 | 35.0 | 24.0 | 30.0 | 1.0 | | | | | | | | |