

## MPT

### Metallized Polyester Film Capacitor (Tubular)

Product

[MKP](#)

[RC](#)

[MEF](#)

[MET](#)

[MEA](#)

[MEC](#)

[MEM](#)

[MPP](#)

[MPT](#)

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#### FEATURE

- Non-inductive construction and self-heal long
- Low DF and high IR
- High capacitance value available and compact size

#### APPLICATION

- Coupling decoupling by-passing and timing circuit
- Automatic control system, communication equipment
- Charging/discharging lighting noise suppression and frequency modulation

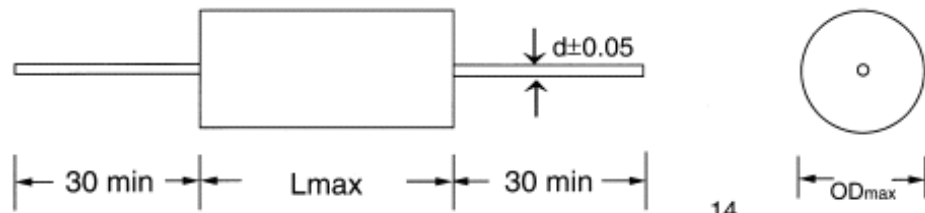
#### TECHNOLOGY°

|   |  |
|---|--|
| DIELECTRIC  | Polypropylene film   |
| ELECTRODES  | Vacuum evaporated metal  |
| COATING   | Out wrapped with Mylar tape and ends sealed with epoxy resin   |
| LEADS   | Axial leads of tinned wire   |
| REFERENCE STANDARD                                | IEC 384-16£» GB 10190  |
| CLIMATIC CATALOGUE                                | -40°C +85°C  |
| CAPACITANCE VERSUS RATED VOLTAGE(U <sub>R</sub> ) | 100VDC 0.01µF-10µF 250VDC 0.01µF-10µF<br>400VDC 0.01µF-2.2µF 630VDC 0.01µF-1.0µF   |
| CAPACITANCE TOLERANCE                             | M= ±20% K= ±10% J= ±5%   |
| DISSIPATION FACTOR                                | DF<0.10% (at 20°C 1KHZ)  |
| TANGENT OF LOSS                                   |  |
| VOLTAGE PROOF                                     | 1.4*U <sub>R</sub> (1 minute at 20°C)  |
| INSULATION RESISTANCE                             | C<0.33µF IR<15000MΩ<br>C>0.33µF IR*C>5000ΩF<br>(1minute at 20°C and RH<65%)  |
| ENDURANCE   | 1000 hours with 125% of rated voltage at 85°C.After the test:<br>C/C<5% ; DF<0.04%<br>C<0.33µF, IR>7500MΩ C>0.33µF,IR*C>2500MΩ (20°C 1KHZ) |

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### OUTLINE DRAWING



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### DIMENSION

Unit mm

| CAPACITANCE |         | 100VDC |      |          | 250VDC |      |          | 400VDC |      |          | 630VDC |      |          |
|-------------|---------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|
| symbol      | $\mu F$ | L      | OD   | d $\Phi$ | L      | OD   | d $\Phi$ | L      | OD   | d $\Phi$ | L      | OD   | d $\Phi$ |
| 103         | 0.010   | 16.0   | 5.0  | 0.6      | 16.0   | 5.0  | 0.6      | 16.0   | 5.5  | 0.6      | 16.0   | 6.5  | 0.6      |
| 153         | 0.015   | 16.0   | 5.0  | 0.6      | 16.0   | 5.0  | 0.6      | 16.0   | 6.0  | 0.6      | 16.0   | 7.0  | 0.6      |
| 223         | 0.022   | 16.0   | 6.0  | 0.6      | 16.0   | 6.0  | 0.6      | 16.0   | 7.0  | 0.6      | 16.0   | 8.0  | 0.6      |
| 333         | 0.033   | 16.0   | 6.0  | 0.6      | 16.0   | 6.0  | 0.6      | 16.0   | 7.5  | 0.6      | 21.0   | 6.0  | 0.8      |
| 473         | 0.047   | 16.0   | 6.5  | 0.6      | 16.0   | 6.5  | 0.6      | 16.0   | 8.0  | 0.6      | 21.0   | 7.0  | 0.6      |
| 683         | 0.068   | 16.0   | 7.5  | 0.6      | 16.0   | 7.5  | 0.6      | 21.0   | 8.0  | 0.8      | 26.0   | 9.0  | 0.8      |
| 104         | 0.10    | 16.0   | 8.0  | 0.6      | 16.0   | 8.0  | 0.6      | 21.0   | 8.5  | 0.8      | 26.0   | 11.0 | 0.8      |
| 154         | 0.15    | 16.0   | 9.0  | 0.6      | 16.0   | 9.0  | 0.6      | 21.0   | 10.0 | 0.8      | 26.0   | 14.0 | 0.8      |
| 224         | 0.22    | 21.0   | 9.0  | 0.8      | 21.0   | 9.0  | 0.8      | 21.0   | 11.5 | 0.8      | 32.0   | 14.0 | 0.8      |
| 334         | 0.33    | 21.0   | 9.5  | 0.8      | 21.0   | 9.5  | 0.8      | 26.0   | 11.5 | 0.8      | 32.0   | 16.0 | 0.8      |
| 474         | 0.47    | 21.0   | 11.0 | 0.8      | 21.0   | 11.0 | 0.8      | 26.0   | 14.0 | 0.8      | 32.0   | 18.0 | 0.8      |
| 684         | 0.68    | 26.0   | 11.0 | 0.8      | 26.0   | 12.0 | 0.8      | 32.0   | 17.0 | 0.8      | 32.0   | 20.0 | 0.8      |
| 105         | 1.0     | 26.0   | 13.0 | 0.8      | 26.0   | 12.0 | 0.8      | 32.0   | 19.0 | 0.8      | 32.0   | 24.0 | 0.8      |
| 155         | 1.5     | 26.0   | 14.5 | 0.8      | 26.0   | 14.5 | 0.8      | 32.0   | 21.0 | 0.8      |        |      |          |
| 225         | 2.2     | 32.0   | 15.0 | 0.8      | 32.0   | 15.0 | 0.8      | 36.0   | 22.0 | 0.8      |        |      |          |
| 335         | 3.3     | 32.0   | 18.0 | 0.8      | 32.0   | 18.0 | 0.8      |        |      |          |        |      |          |
| 475         | 4.7     | 32.0   | 22.0 | 0.8      | 32.0   | 22.0 | 0.8      |        |      |          |        |      |          |
| 685         | 6.8     | 32.0   | 25.0 | 0.8      | 36.0   | 25.0 | 0.8      |        |      |          |        |      |          |
| 106         | 10      | 46.0   | 24.0 | 0.8      | 46.0   | 24.0 | 0.8      |        |      |          |        |      |          |