



MKTD01 SERIES

Formerly MPD 1 series

INTRODUCTION:

The MKTD01 Series Metallized Polyester Film Capacitors cover a wide range of values and voltages. They are suitable for applications such as Blocking, By-passing and Coupling and are widely used in General communication equipment.

FEATURES:

- Wide value and Voltage range
Self healing capability
Flame retardant powder epoxy encapsulation
Minimum overall dimensions due to dip coated construction

GENERAL SPECIFICATIONS:

Dissipation factor: < 0.0100 at 1 K Hz for capacitance <= 1.0 uF, < 0.0150 at 1 K Hz for capacitance > 1.0 uF
Insulation resistance: For 100 VDC rated parts; >= 9,000 M Ohms for C <= 0.33 uF
Capacitance tolerance: +/- 5% (J), +/- 10% (K) and +/- 20% (M)
Voltage Test: 1.6 times the rated voltage applied between terminals for 2 seconds.
Temperature range: -55 to 85 C
Climatic category: F M F

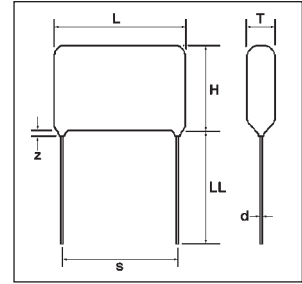
LIFE TEST DETAILS:

Capacitors shall withstand 125% DC rated voltage or 100% AC rated voltage applied at 85 C for 1000 hours. After the test:

- 1. Capacitance change shall remain within +/- 5%.
2. Dissipation Factor shall be within 1.5 times the original limits.
3. Insulation Resistance shall be above 50% of the initial limits.
4. There shall be no remarkable change in the appearance and the marking shall remain legible.

DIMENSIONS AND TOLERANCES:

d - 0.6 mm (0.024") for Lead Spacing "s" = 10.0 mm (0.40")
d - 0.8 mm (0.032") for Lead Spacing "s" > 10.0 mm (0.40")
z - 1.5mm (0.06") max.
LL" - 20.0 mm min.(0.78")
Tolerance on "s" +/- 1.0mm (0.04")



PULSE RISE TIME (dv/dt) Volts per usec.

Table with 5 columns: Rated Voltage, LEAD SPACING mm (inches) with sub-columns for 10.0, 15.0, 22.5, 27.0.

MKTD01 SERIES CASE DIMENSIONS

Case Dimensions in Millimeters 100V • 250V • 400V • 630V

Table with 10 columns: Capacitance in uF, VOLTAGE DC/AC (100V DC / 63V AC, 250V DC / 160V AC), Dimensions in Millimeters (L, H, T, S).

Case Dimensions in Inches 100V • 250V • 400V • 630V

Table with 10 columns: Capacitance in uF, VOLTAGE DC/AC (100V DC / 63V AC, 250V DC / 160V AC), Dimensions in Inches (L, H, T, S).

Table with 10 columns: Capacitance in uF, VOLTAGE DC/AC (400V DC / 200V AC, 630V DC / 220V AC), Dimensions in Millimeters (L, H, T, S).

Table with 10 columns: Capacitance in uF, VOLTAGE DC/AC (400V DC / 200V AC, 630V DC / 220V AC), Dimensions in Inches (L, H, T, S).