

# PART NUMBER: 684MMR630K

## SMALL SIZE EPOXY DIPPED METALLIZED POLYESTER RADIAL LEAD

### PARTS ARE ROHS COMPLIANT

#### FEATURES

Radial lead, self healing metallized polyester, small size

#### ELECTRICAL SPECIFICATIONS

Capacitance: 0.68  $\mu$ F

Dissipation Factor: 0.01 Max at 1000 Hz and 25°C

Temperature Coefficient: 400 PPM/°C : -200 PPM/°C , 200 PPM/°C

Ripple Current: 0 at 0 and 0 ESR: 2.601 Ohms at 20°C and 1 kHz

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvdt: 35 V/ $\mu$ s

Tolerance: -10 %, +10 %

Temperature Range: -55°C to +105°C

Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/2.25%/°C

WVDC: 630 Volts DC

SVDC: N/A Volts DC

VAC: 220 Volts AC

**Terminal to Terminal Dielectric strength:** 1.6 times the rated DC voltage when applied between the terminals for 2 seconds

**Terminal to case Dielectric strength:** 2 times the rated DC voltage when applied between the terminals for 2~5 seconds

**Insulation Resistance (Terminal to Terminal):** 3000

Megohm $\times$ Microfarads MINIMUM after 0 Volts DC is applied for 0 seconds at 0

**Insulation resistance (Terminal to Case):** N/A Megohms MINIMUM

after 0 Volts DC is applied for 0 seconds at 0

**Reliability:**

**Load Life:** 2000 hours at 85C with 125% of rated voltage

**Max Capacitance Change:** <5% of initially measured value

**Dissipation Factor Change:** <50% of maximum specified value

**I.R. Change:** >50% of minimum specified value

#### PHYSICAL DIMENSIONS

Length (L): 26 mm, +/- MAX mm

Height (H): 21.5 mm, +/- MAX mm

Thickness (T): 12 mm, +/- MAX mm

Lead Spacing (S): 22.5 mm, +/- 1 mm

Lead Wire Diameter (d): 0.8 mm, +/- 0.05 mm

Lead Length (LL): 15 mm, +/- MIN mm

Select lead style below to complete part number

