

ELECTRICAL SPECIFICATIONS

Capacitance: 1.5 uF

Dissipation Factor: 0.0006 Max at 1000 Hz and 25°C

Temperature Coefficient: -200 PPM/°C, -100 PPM/°C, 100 PPM/°C

Ripple Current: 6 A at 100 kHz and 70°C

ESR: 13.5 milliOhms (typical) at 100 kHz and 25°C

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvdt: 90 V/μs

Tolerance: -10 % , +10 %

Temperature Range: -40°C to +100°C

Above 85°C the rated (DC/AC) voltage must be derated at per 1.5%/2.5%°C

WVDC: 600 Volts DC

SVDC: 750 Volts DC

VAC: 330 Volts AC

Terminal to Terminal Dielectric strength: 1.6 times the rated DC voltage when applied between the terminals for 10 seconds

Terminal to case Dielectric strength: 3000 VAC when applied between the terminals and case for 60 seconds

Insulation Resistance (Terminal to Terminal): 30000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

Insulation resistance (Terminal to Case): N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

Reliability: 300 failures/billion component hours

Load Life: 100000/30000 hours at with % of rated voltage

Capacitance Change: of initially measured value

D.F. Change: of maximum specified value

I.R. Change: of minimum specified value

PHYSICAL DIMENSIONS

Length (L): 32 mm, 0.6 mm

Height (H): 22 mm, +/-0.6 mm

Thickness (T): 13 mm, +/-0.45 mm

Lead Spacing (S): 27.5 mm, +/-0.4 mm

Lead Spacing (P): 0 mm, +/-0 mm

Lead Diameter (d): 1 mm, +/-0.05 mm

Lead Length (LL): 5.5mm, +/- 1.5 mm

