



MPX685K305N

85/85 THB CONSTRUCTION

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 6.8 μ F

Dissipation Factor: 0.0015 Max at 1000 Hz and 25°C

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

Ripple Current: at and

ESR: - at - and -

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvd: 100 V/ μ s

Tolerance: -10 % , +10 %

Temperature Range: -40°C to +110°C

Above 110°C the rated (DC/AC) voltage must be derated at per N/A°C

WVDC: 630 Volts DC

SVDC: N/A Volts DC

VAC: 305 Volts AC

Terminal to Terminal Dielectric strength: 3.226 V times the rated AC voltage when applied between the terminals for 60 seconds

Terminal to case Dielectric strength: 6.613 VAC when applied between the terminals and case for 60 seconds

Insulation Resistance (Terminal to Terminal): 5000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

Reliability: Load Life: 1000 hours at 110°C with 125% of rated voltage

Capacitance Change: $\leq 5\%$ of initially measured value

D.F. Change: $\leq 150\%$ of maximum specified value

I.R. Change: $> 100\%$ of minimum specified value

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

PHYSICAL DIMENSIONS

Length (L): 42.5 mm, 1 mm

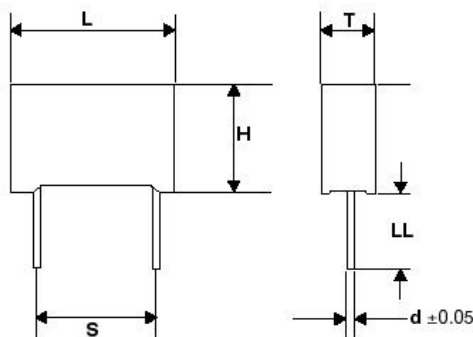
Height (H): 44 mm, ± 0.5 mm

Thickness (T): 24 mm, ± 0.5 mm

Lead Spacing (S): 37.5 mm, ± 0.5 mm

Lead Diameter (d): 1 mm, ± 0.1 mm

Lead Length (LL): 5mm, $\pm$ MIN mm



2400 East Devon Avenue Suite 292 Des Plaines, IL 60018 (847) 675-1760 FAX (847) 673-2850

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.ilcap.com.hk

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