



456MHBS40K2R

DC LINK

Parts are RoHS compliant

APPLICATIONS: DC link, Switching power supplies, induction heaters, Motor speed controls

ELECTRICAL SPECIFICATIONS

Capacitance: 45 μ F

Dissipation Factor: 0.0017 Max at 1000 Hz and 25°C

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

Ripple Current: 14 A at 10 kHz - 30 kHz and +95°C

ESR: 4.2 milliOhms (typical) at 100 kHz and 25°C

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvd: 14.5 V/ μ s

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%/°C

WVDC: 700 Volts DC

SVDC: 805 Volts DC

VAC: 285 Volts AC

Terminal to Terminal Dielectric strength: 1.6 times the rated DC voltage when applied between the terminals for 60 seconds

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

Insulation Resistance (Terminal to Terminal): 3000 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: 60000 hours at 70°C with 100% of rated voltage

Capacitance Change: 0 of initially measured value

D.F. Change: 0 of maximum specified value

I.R. Change: 0 of minimum specified value

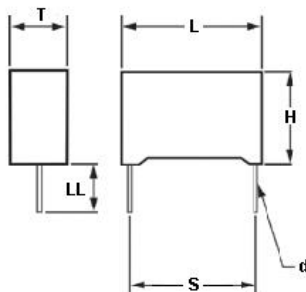
PHYSICAL DIMENSIONS

Length (L): 57.5 mm, 1 mm

Height (H): 45 mm, +/-1 mm

Thickness (T): 30 mm, +/- .6 mm

Lead Spacing (S): 52.5 mm, +/-0.4 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.illcap.com.hk

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