



706DCB450K4R

DC LINK

Parts are RoHS compliant

APPLICATIONS: DC link, Welders, motor controllers

ELECTRICAL SPECIFICATIONS

Capacitance: 70 μ F

Dissipation Factor: 0.0037 Max at 1000 Hz and 25°C

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

Ripple Current: 16 A at 10 kHz and 70°C

ESR: 5.3 milliOhms (typical) at 100 kHz and 25°C

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvdt: 7 V/ μ s

Tolerance: -10 % , +10 %

Temperature Range: -40°C to +85°C

WVDC: 450 Volts DC

SVDC: 515 Volts DC

Terminal to Terminal Dielectric strength: 1.5 times the rated DC voltage when applied between the terminals for 10 seconds

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

Reliability: 300 failures/billion component hours

Load Life: 100000 hours at 70°C with 100% of rated voltage

Capacitance Change: $\leq 5\%$ 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

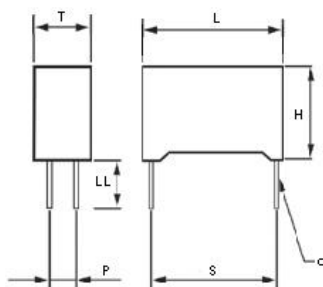
Thickness (T): 30 mm, +/-0.6 mm

Lead Spacing (S): 52.5 mm, +/-0.5 mm

Lead Spacing (P): 20.3 mm, +/-0.5 mm

Lead Diameter (d): 1.2 mm, +/-0.05 mm

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



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