



# 755DCB112K2J

DC LINK

Parts are RoHS compliant

**APPLICATIONS:** DC link, Welders, motor controllers

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 7.5 uF

**Dissipation Factor:** 0.003 Max at 1000 Hz and 25°C

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

**Ripple Current:** 7 A at 10 kHz and 70°C

**ESR:** 12 milliOhms at 10 kHz and 20°C

**Self Inductance:** 1 Nanohenries maximum per mm of pitch

**dvdt:** 20 V/μs

**Tolerance:** -10 % , +10 %

**Temperature Range:** -40°C to +85°C

**WVDC:** 1100 Volts DC

**SVDC:** 1430 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:** ≤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):** 42.5 mm, .8 mm

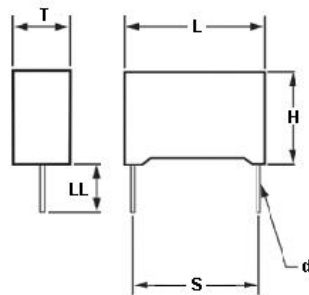
**Height (H):** 33.5 mm, +/- .8 mm

**Thickness (T):** 22 mm, +/- .6 mm

**Lead Spacing (S):** 37.5 mm, +/-0.5 mm

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

**Lead Length (LL):** 5mm, +/- 1 mm



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