



107CKS500MKCD

RADIAL LEAD GENERAL PURPOSE

Parts are RoHS compliant

Date code when parts became RoHS: 1406

APPLICATIONS: General Purpose, bypass, coupling, filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 100 μ F

Dissipation Factor: 0.24 Max at 120 Hz and 20°C

Temperature Range: -25°C to +85°C

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 500 Volts DC

SVDC: 550 Volts DC

Ripple Current: 590 mA at 120 Hz and 85°C

Impedance Ratios: -25°C/20°C 8 and -40°C/20°C -

Leakage Current: .03CV+10 μ A

1360 μ A after 2 Minutes

Load Life: 2000 hours at 85°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: $\leq$ 20% of initial measured value

Dissipation Factor: $\leq$ 200% of maximum specified value

Leakage Current: $\leq$ 100% of maximum specified value

Frequency Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
0.7	1	1.15	1.3	1.4	1.5

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1.8	1.7	1.4	1.6	1	1	0	0

PHYSICAL DIMENSIONS

Diameter (D): 18 mm + 0.5 mm

Length (L): 45 mm + 2 mm

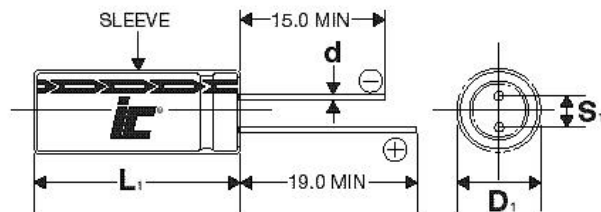
Lead Spacing (S): 7.5 mm +/- 0.5 mm

Coating: BlackPET sleeving

Lead Wire Diameter (d): 0.8 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin



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