

PART NUMBER: 159CKS6R3MQW

+85°C, STANDARD 2000 HOUR

PARTS ARE ROHS COMPLIANT

FEATURES

small size, low cost

APPLICATIONS

General Purpose, bypass, coupling, filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 15000 uF

Dissipation Factor: 0.52 Max at 120 Hz

Temperature Range: -40°C to +85°C

ESR: 0.051 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 6.3 Volts DC

SVDC: 7.9 Volts DC

Ripple Current: 2550 mA at 120 Hz and 85°C

Impedance Ratios: -25°C/20°C - 5
-40°C/20°C - 12

Leakage Current: .03CV or 4uA, whichever is greater 2835 uA after 1 Minute

.01CV or 3uA, whichever is greater
945uA after 2 Minutes

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

Max Capacitance Change: ≤20% of initially measured value

Dissipation Factor Change: ≤200% of maximum specified value

Leakage Current: ≤100% of maximum specified value

Ripple Current Multipliers

Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0.75	1	1	1.25	1.4	1.4

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1.25	1.25	1.14	1.25	1.14	1	0	0

PHYSICAL DIMENSIONS

Diameter (D): 16 mm +/- 0.5 mm

Length (L): 31.5 mm, +/- 2 mm

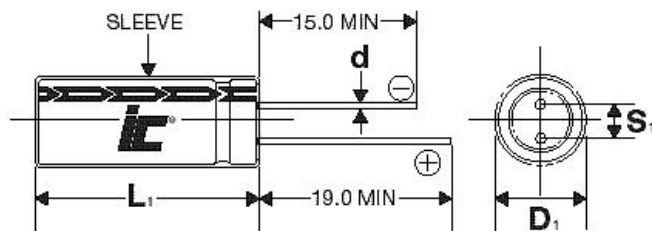
Lead Spacing (S): 7.5 mm, +/- 0.5 mm

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

Lead Length (LL): 15 mm, +/- MIN mm

Lead Finish: Matte Tin

Coating: BLACK PVC sleeving



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