

ILLINOIS CAPACITOR INC.

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I.C. PART NUMBER: 337KCZ035MGBW

High Frequency Low Impedance/ESR Radial Lead Aluminum Electrolytic Capacitor

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

CAPACITANCE:

330 μ F

TOLERANCE:

-20 %, +20 %

DISSIPATION FACTOR:

0.12 Max at 120 Hz and 20°C

ESR

0.603 Ohms Max at 20°C and 120 Hz

0.04 Ohms Max at 20°C and 100kHz

TEMPERATURE RANGE:

-40°C to +105°C

WVDC:

35 Volts DC

SVDC:

44 Volts DC

RIPPLE CURRENT:

1980 mA at 100 kHz and +105°C

IMPEDANCE RATIOS

-40°C/20°C - 6

LEAKAGE CURRENT

.01CV or 3uA, whichever is greater

115.5 uA after 2 Minutes

RIPPLE CURRENT FREQUENCY MULTIPLIERS

50 Hz:	120 Hz:	400 Hz:	1 kHz:	10 kHz:	100 kHz:
0.4	0.5	0.5	0.8	0.9	1

LOAD LIFE

10000 hours at 105°C with 100 % of rated voltage
and with 100 % of rated ripple current

SHELF LIFE:

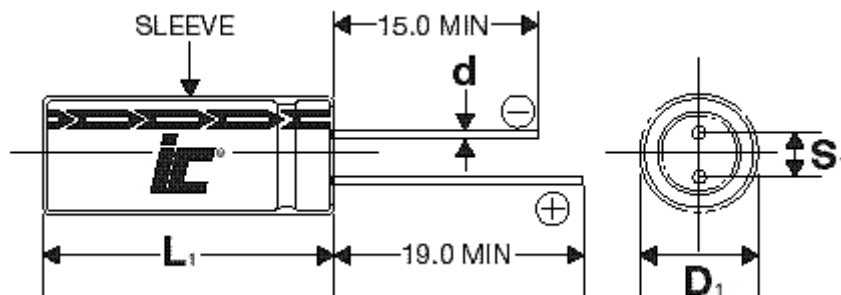
1000 hours at rated temperature

Max Cap Change: $\leq 20\%$ of initially measured values
DF Change: $\leq 200\%$ of maximum specified value
LC change: $\leq 100\%$ of maximum specified value

Capacitance Change: $< 20\%$ of initially measured value
D.F. Change: $< 200\%$ of maximum specified value
L.C. Change: $< 200\%$ of maximum specified value

PHYSICAL SPECIFICATIONS

DIAMETER (D):	10 mm + 0.5 mm
LENGTH (L):	16 mm + 1.5 mm
LEAD SPACING (S):	5 mm, +/- 0.5 mm
LEAD WIRE DIAMETER (d):	0.6 mm +/- 0.05 mm
LEAD LENGTH (LL):	15 mm Min
Sleeving:	BROWN PET
Lead Finish:	sleeving Matte Tin



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