

ILLINOIS CAPACITOR INC.

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I.C. PART NUMBER: 336TTA050MSD

Standard Axial Lead Aluminum Electrolytic Capacitors

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

CAPACITANCE:

33 μ F

TOLERANCE:

-20 %, +20 %

DISSIPATION FACTOR:

0.1 Max at 120 Hz and 20°C

ESR

5.024 Ohms Max at 20°C and 120 Hz

IMPEDANCE

N/A

LEAKAGE CURRENT

.03CV or 4 μ A, whichever is greater

49.5 μ A after 1 Minute

.01CV or 3 μ A, whichever is greater

16.5 μ A after 2 Minutes

LOAD LIFE

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

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

TEMPERATURE RANGE:

-40°C to +85°C

WVDC:

50 Volts DC

SVDC:

63 Volts DC

RIPPLE CURRENT:

115 mA at 120 Hz and +85°C

IMPEDANCE RATIOS

-25°C/20°C - 2

-40°C/20°C - 3

RIPPLE CURRENT FREQUENCY MULTIPLIERS

50 Hz:	120 Hz:	400 Hz:	1 kHz:	10 kHz:	100 kHz:
0.75	1	1.35	1.57	2	2.3

RIPPLE CURRENT TEMPERATURE

45°C:	60°C:	65°C:	70°C:	75°C:	85°C:	105°C:	125°C:
1.75	1.4	1.4	1.2		1	0	0

PHYSICAL SPECIFICATIONS

DIAMETER (D):

6.3 mm + 0.5 mm

LENGTH (L):

16 mm + 1.5 mm

LEAD WIRE DIAMETER (d):

0.6 mm +/- 0.05 mm

Sleeving:

GRAY PVC sleeving

Lead Finish:

Matte Tin

