

ILLINOIS CAPACITOR INC.

6/3/2010

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IC Part Number: 336SMH100M

General Purpose Surface Mount Aluminum Electrolytic Capacitors

Part is RoHS compliant

Date code when parts became RoHS compliant: 23

ELECTRICAL SPECIFICATIONS

Capacitance:

33 μ F

Tolerance:

-20 %, +20 %

Dissipation Factor:

0.1 MAX at 120 Hz, 20°C

ESR:

5.02 Ohms at 120 Hz and 20°C

Impedance:

N/A

Leakage Current:

.01CV or 3uA, whichever is greater

33 uA after 2 Minutes

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Load Life:

1000 hours at 105°C at 100 % of rated voltage
with 0 % of ripple current.

Max Capacitance Change: \leq 25% of initially measured value

Max D.F. change: \leq 200% of initially specified value

Max L.C. Change: \leq 100% of initially specified value

TEMPERATURE RANGE:

-40°C to +105°C

WVDC:

100 Volts

SVDC:

125 Volts

Ripple Current:

133 mA at 120 Hz and +105°C

Impedance Ratios

-40°C/20°C - 3

-55°C/20°C - 0

RIPPLE CURRENT MULTIPLIERS

FREQUENCY MULTIPLIERS

50 Hz: 120 Hz: 400 Hz: 1 kHz: 10 kHz: 100 kHz:

0.8 1 1 1.1 1.3 1.5

TEMPERATURE MULTIPLIERS

125C: 105C: 85C: 75C: 70C: 65C: 60C: 45C:

0 1 1.7 1.7 2 2 2 2

PHYSICAL DIMENSIONS

Diameter (D):	10 mm, + 0.5mm
Length (L):	10.2 mm, 0.2 mm
Pad Width (W):	10.3 mm, +/- 0.2 mm
Pad Spacing (C):	11 mm, +/- 0.2 mm
Lead Width (R):	1.1 mm to 1.4 mm
Lead Spacing (S):	4.6 mm, +/- 0.2 mm
Pad Length (H):	10.3 mm, +/- 0.2 mm
Lead Finish:	Matte Tin

