

ILLINOIS CAPACITOR INC.

6/11/2009

3757 W. Touhy Ave. Lincolnwood, IL 60712 (847)-675-1760 FAX (847)-673-2850
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk

PART NUMBER 105MWF250K

Metallized Polyester Wrap and Fill Oval/Axial Lead Capacitors

Parts are RoHS compliant: Yes

Date code when parts became RoHS compliant: 19

ELECTRICAL SPECIFICATIONS

CAPACITANCE:

1 uF

TOLERANCE:

-10 %, +10 %

DISSIPATION FACTOR:

0.01 Max at 1000 Hz and 25°C

0.015 Max at 10 kHz and 25°C

DV/DT:

4 V/uS

TEMPERATURE COEFFICIENT:

400 PPM/°C: -200 PPM/°C, 200 PPM/°C

Terminal to Terminal Dielectric strength:

1.5 times the rated DC voltage when applied between the terminals for 10 seconds

LOAD LIFE:

2000 hours at 85°C and with 125 % of rated voltage

Capacitance change: <5% of initially measured value

D.F. Change: <0.5%

I.R. change: >50% of minimum specified value

TEMPERATURE RANGE:

-40°C to +105°C

Above 85°C the rated voltage(DC/AC) must be de-rated at 1.5% per °C

WVDC:

250 Volts DC

SVDC:

N/A Volts DC

VAC:

160 Volts AC

Self inductance:

1 Nanohenries per mm of pitch and lead length

INSULATION RESISTANCE (T - T):

10000 Megohm x Microfarads MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

PHYSICAL SPECIFICATIONS

LENGTH (L): 27 mm MAX

HEIGHT (H): 13 mm MAX

THICKNESS (T): 8 mm MAX

LEAD WIRE (d): 0.8 mm, +/- 0.05 mm

LEAD LENGTH (LL): 35 mm MIN

Lead Finish: Matte Tin

