

# 106XMPL010MG19

SMD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

## ELECTRICAL SPECIFICATIONS

Capacitance: 10  $\mu$ F

Dissipation Factor: 0.06 Max at 120 Hz and 20°C

Temperature Range: -40°C to +105°C

ESR: 9.9472 Ohms Max at 20°C and 120 Hz

Impedance: 45 milliohm Max at 20°C and 100 KHz

Tolerance: -20 %, +20 %

WVDC: 10 Volts DC

SVDC: 13 Volts DC

Ripple Current: 1 A at 100 kHz and 105°C

N/A

Impedance Ratios: -  $\leq$  and -  $\leq$

Leakage Current: 0.3CV

30  $\mu$ A after 2 Minutes

Load Life: 1000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change:  $\leq$ 10% of initial measured value

Dissipation Factor Change:  $\leq$ 100% of maximum specified value

ESR Change: N/A

Leakage Current:  $\leq$ 100% of maximum specified value

### Ripple Current Multipliers

#### Frequency Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
1	1	1	1	1	1

#### Temperature Multipliers:

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

## PHYSICAL DIMENSIONS

Length (L): 7.3 mm + 0.2 mm

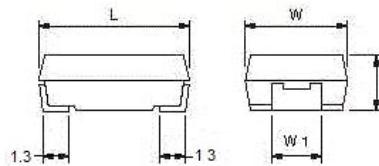
Height(H): 4.3 mm +/- 0.2 mm

Width(W): 1.9 mm +/- 0.2 mm

Lead Spacing (S): 4.7 mm +/- 0.2 mm

Lead Width (W1): 2.4 mm +/- 0.1 mm

Lead Finish: Matte Tin



2400 East Devon Avenue Suite 292 Des Plaines, IL 60018 (847) 675-1760 FAX (847) 673-2850

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, [www.illcap.com.hk](http://www.illcap.com.hk)

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