

686XMPL6R3MG19

SMD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 68 μ F

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

Temperature Range: -40°C to +105°C

ESR: 1.4628 Ohms Max at 20°C and 120 Hz

Impedance: 15 milliohm Max at 20°C and 100 KHz

Tolerance: -20 %, +20 %

WVDC: 6.3 Volts DC

SVDC: 7.875 Volts DC

Ripple Current: 2 A at 100 kHz and 105°C

N/A

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

Leakage Current: .1CV

42.84 μ 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 $\pm$ 0.2 mm

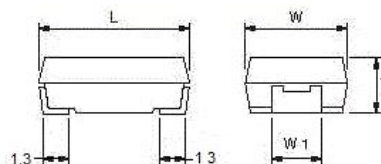
Height(H): 4.3 mm $\pm$ 0.2 mm

Width(W): 1.9 mm $\pm$ 0.2 mm

Lead Spacing (S): 4.7 mm $\pm$ 0.2 mm

Lead Width (W1): 2.4 mm $\pm$ 0.1 mm

Lead Finish: Matte Tin



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
© Copyright 2019 Illinois Capacitor. An affiliate of Cornell Dubilier, All Rights Reserved