

# 157UVR6R3MEW

SMD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

## ELECTRICAL SPECIFICATIONS

Capacitance: 150  $\mu$ F

Dissipation Factor: 0.12 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

ESR: 1.3263 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 6.3 Volts DC

SVDC: 7.245 Volts DC

Ripple Current: 1620 mA at 100 kHz and 105°C

N/A

Impedance Ratios: -55°C/20°C  $\leq$  1.25 and +105°C/20°C  $\leq$  1.25

Leakage Current: 0.2CV

280  $\mu$ A after 2 Minutes

Load Life: 2000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change:  $\leq$ 20% of initial measured value

Dissipation Factor Change:  $\leq$ 150% 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
0.05	0.05	0.05	0.3	0.7	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

Diameter (D): 6.3 mm + 0.5 mm

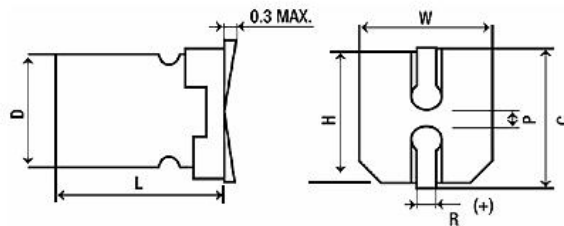
Length (L): 6 mm + 0.3 mm

Lead Spacing (S): 1.9 mm +/- 0.2 mm

Lead Wire Diameter (d): 0.6 mm +/- 0.05 mm

Lead Length: mm +/- 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](http://www.illcap.com.hk)  
© Copyright 2017 Illinois Capacitor. A division of Cornell Dublier, All Rights Reserved