

PART NUMBER: 476PLM016M

+85°C, 7MM HEIGHT LOW LEAKAGE 1000 HOURS

PARTS ARE ROHS COMPLIANT

FEATURES

7mm height, low leakage current

APPLICATIONS

timing circuits, handheld devices

ELECTRICAL SPECIFICATIONS

Capacitance: 47 μ F

Dissipation Factor: 0.16 Max at 120 Hz

Temperature Range: -40°C to +85°C

ESR: 5.644 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 16 Volts DC

SVDC: 20 Volts DC

Ripple Current: 69 mA at 120 Hz and 85°C

Impedance Ratios: -25°C/20°C - 2
-40°C/20°C - 6

Leakage Current: .002CV or .4 μ A, whichever is greater 1.5 μ A after 2 Minutes

Load Life: 1000 hours at 85°C with 100 % of rated voltage and with 0 % of rated ripple current

Max Capacitance Change: $\leq$ 20% of initially measured value

Dissipation Factor Change: $\leq$ 200% of maximum specified value

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
0.85	1	1	1.1	1.2	1.2

Temperature Multipliers:

45°C	60°C	70°C	85°C	105°C	125°C
1.25	1.25	1.14	1.25	1.14	1

PHYSICAL DIMENSIONS

Diameter (D): 6.3 mm +/- 0.5 mm

Length (L): 7 mm, +/- 1 mm

Lead Spacing (S): 2.5 mm, +/- 0.5 mm

Lead Wire Diameter (d): 0.45 mm, +/- 0.05 mm

Lead Length (LL): 15 mm, +/- MIN mm

Lead Finish: Matte Tin

Coating: RED PVC sleeving

