

aluminum
electrolytic &
organic
semiconductor

film

power film

tantalum
ceramic

TECH TOOLS

Aluminum Electrolytic Capacitors

+105°C General Purpose Surface Mount Chip Aluminum Electrolytic Capacitors

Part Number: 476SMH016M

[General Specifications \(PDF\)](#)

[Special Order Options](#)

[SMH document \(PDF\)](#)



Electrical Specifications

Capacitance: 47.0 μ F
Tolerance: -20 %, +20 %
Dissipation Factor: 0.2 at 120 Hz
ESR: 7.055 Ohms at 20° C and 120 Hz
Impedance:
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Temperature Range: -55°C to +105°C

WVDC: 16 volts DC

SVDC: 20.0 volts DC

Leakage Current:
 7.52 μ A after 2 Minutes

Ripple Current:
 50.0 mA at 120 Hz and 105°C

Impedance Ratios:

2.0 at at -25°C/20°C

4.0 at at -40°C/20°C

Load Life:

1000 Hours at 105°C with 100% of rated voltage and with 0% of rated ripple current

Physical Specifications

Diameter (D): 6.3 mm + 0.5 mm
Length (L): 5.4 mm + 0.2 mm
Lead Spacing: 2.2 mm +/- 0.2 mm
Lead Wire(R): 0.5 mm to 0.8 mm
Base Length(H): 6.6 mm +/- 0.2 mm
Lead to Lead(C): 7.3 mm +/- 0.2 mm
Base Width(W): 6.6 mm +/- 0.2 mm

