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## Aluminum Electrolytic Capacitors

### +105°C High Frequency Low Impedance Radial Lead Aluminum Electrolytic Capacitor



**Part Number: 187KXM050M**

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

[Special Order Options](#)

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

#### Electrical Specifications

**Capacitance:** 180.0  $\mu$ F  
**Tolerance:** -20 %, +20 %  
**Dissipation Factor:** 0.1 at 120 Hz  
**ESR:** 0.921 Ohms at 20° C and 120 Hz  
**Impedance:**  
 0.046 Ohms at 20°C 100 kHz  
 0.14 Ohms at -10°C 100 kHz

**Temperature Range:** -40°C to +105°C  
**WVDC:** 50 volts DC  
**SVDC:** 63. volts DC  
**Leakage Current:**  
 90.0  $\mu$ A after 2 Minutes  
**Ripple Current:**  
 1,190.0 mA at 100 kHz and 105°C

**Impedance Ratios:**

2.0 at -25°C/20°C

3.0 at -40°C/20°C

**Load Life:**

3000 Hours at 105°C with 100% of rated voltage and with 100% of rated ripple current

#### Physical Specifications

**Diameter (D):** 8.0 mm + 0.5 mm  
**Length (L):** 20.0 mm + 2.0 mm  
**Lead Wire Diameter (d):** 0.6 mm + 0.05 mm  
**Lead Spacing:** 3.5 mm +/- 0.5 mm  
**Lead Length:** 15 mm

