**MIL-PRF-27/370, T Level Qualified Surface Mount Power Inductors**

- **Surface Mount Power Inductors**
- **MIL-PRF-27/370, T Level Qualified**
- **DMV Sn63 Pb37 (Tin-Lead), Hot Solder Dipped**
- **Lead Finish**: Sn63 Pb37 (Tin-Lead), Hot Solder Dipped
- **Weight**: 2.5 grams MAX
- **DMV 1000 Vrms at Sea Level, 500 Vrms at 70,000 feet altitude**
- **IR 1000 Mohms MIN at 500 Vdc**
- **Vibration**: MIL-STD-202, Method 204, Test Condition D
- **Moisture Resistance**: MIL-STD-202, Method 106
- **Bond Strength**: Force 2 lbs.
- **Packaging**: Tape & reel (44mm): 13" reel, 480 pieces max.; 7" reel not available

**Physical Parameters**

- **Inches**
  - A: 0.840 to 0.880
  - B: 0.310 to 0.330
  - C: 0.266 to 0.286
  - D: 0.050 Min.
  - E: 0.070 to 0.110
  - F: 0.750 (Ref. only)
  - G: 0.120 (Ref. only)

- **Millimeters**
  - A: 21.34 to 22.35
  - B: 7.87 to 8.38
  - C: 6.76 to 7.26
  - D: 1.27 Min.
  - E: 1.78 to 2.79
  - F: 19.05 (Ref. only)
  - G: 3.05 (Ref. only)

**Dimensions**

- “A” and “C” are over terminals.

**Military QPL Approval**

M27/370 T Level, Grade 5, encapsulated

**Level T Magnetics are 100% Tested per MIL-PRF-27**

**Group A Subgroup I which includes:**

1) Thermal Shock, 25 cycles
2) Burn In, 96 hours
3) Radiographic (X-Ray) Inspection

**Operating Temperature Range**

-55°C to +130°C

**Current Rating at 85°C Ambient**

45°C Rise

**Maximum Power Dissipation at 85°C 0.50 W**

**Inductance**

Measured at 1 VAC open circuit with no DC current

**Incremental Current**

The current at which the inductance will decrease by a maximum of 5% from its inductance at zero DC current.

**Lead Finish**

Sn63 Pb37 (Tin-Lead), Hot Solder Dipped

**Made In the U.S.A.**