



# ACLM-4947 COAXIAL HIGH POWER LIMITER

Frequency Range (min)	500 – 2000	MHz
Peak Input Power (max)	1000	W
CW Input Power (max)	60	W
CW Flat Leakage (max)	14	dBm
Insertion Loss (max)	0.35	dB
VSWR (max)	1.25:1	ratio

**NOTES:**

Model is rated for 60W CW and is also available in a 100W CW version. See part number ordering information.  
 Insertion loss is slightly higher for the high power version.  
 Power handling is linearly derated from full power at 25°C to zero power at +150°C.  
 This model requires DC blocks for proper operation

**ENVIRONMENTAL SPECIFICATIONS:**

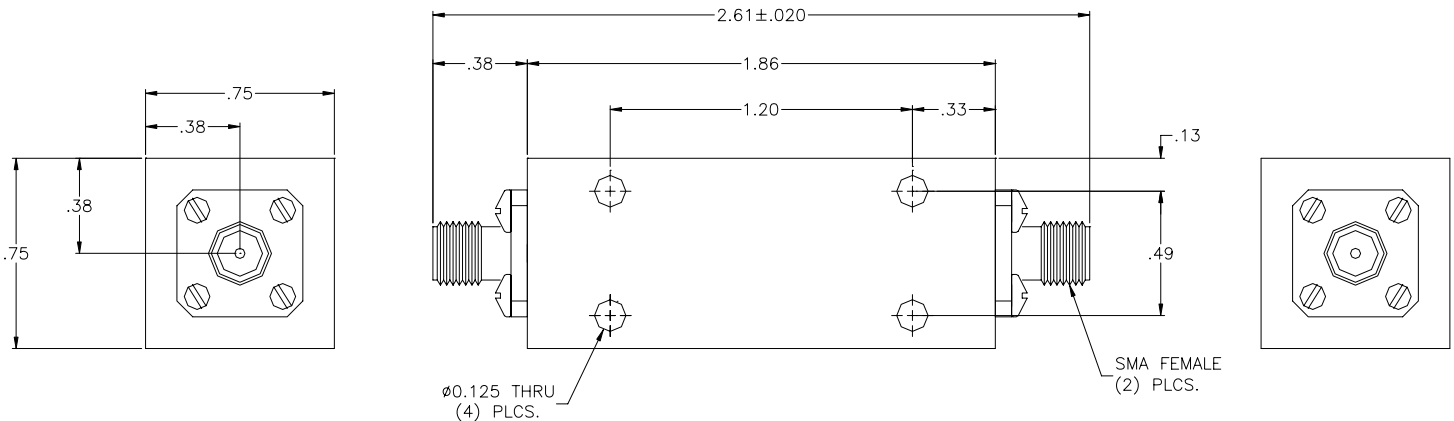
MIL-E-5400, MIL-STD-202, MIL-E-16400  
 Operating Temp: -55°C to +125°C  
 Storage Temp: -65°C to +150°C  
 Humidity: MIL-STD-202F, M103, Cond B  
 Altitude: MIL-STD-202F, M105, Cond B  
 Thermal Shock: MIL-STD-202F, M107, Cond A  
 Temperature Cycle: MIL-STD-202F, M105C, Cond D

**SCREENING:**

Internal Visual per MIL-STD-883, Method 2017  
 Temperature Cycle: -65°C to +100°C, 10 cycles

**OPTIONAL HIGH-REL SCREENING (Ref MIL-PRF-38534):**

Stabilization Bake per MIL-STD-883, Method 1008  
 Temperature Cycle per MIL-STD-883, Method 1010  
 Constant Acceleration per MIL-STD-883, Method 2001  
 Burn-in per MIL-STD-883, Method 1015  
 External Visual per MIL-STD-883, Method 2009



**STANDARD CASE STYLE C46  
(Optional Case Styles – C24, C25, C88, C89)**

**PART NUMBER ORDERING INFORMATION:**

- Add desired case style suffix: "C46" (Ex: ACLM-4947C46)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-4947C25R) (SMA Female Input/SMA Male Output)
- Add "H" suffix: High power handling version: (Ex: ACLM-4947HC25R)
- Add "-RC" suffix: RoHS-compliant (Ex: ACLM-4947HC25-RC)

