

# ACLM-4870

## Coaxial High Power Limiter

### Features

- Low Insertion Loss
- Low Leakage Power Circuit Protection
- High CW Power Handling
- Assorted Package Styles



### Specifications:

Parameter	Specification	Units
Frequency Range (min)	30 – 100	MHz
Peak Input Power (max)	1.0	kW
CW Input Power (max)	60.0	W
Flat Leakage (CW Power) (max)	14.0	dBm
Insertion Loss (max)	0.10	dB
VSWR (max)	1.25:1	ratio

### Notes:

Test conditions: Full rated power for 30 seconds. Insertion loss is slightly higher for the high power versions.

Most models are broadband and will operate beyond the frequency ranges shown.

Typical leakage is 3dB below the maximum shown. Power handling is linearly derated from full power at +25°C to zero power at +150°C.

All models require external DC blocks for proper operation.

### Environmental Specifications:

Designed to meet:

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

Shock: MIL-STD-202F, M213, Cond B

Altitude: MIL-STD-202F, M105, Cond B

Vibration: MIL-STD-202F, M204, 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

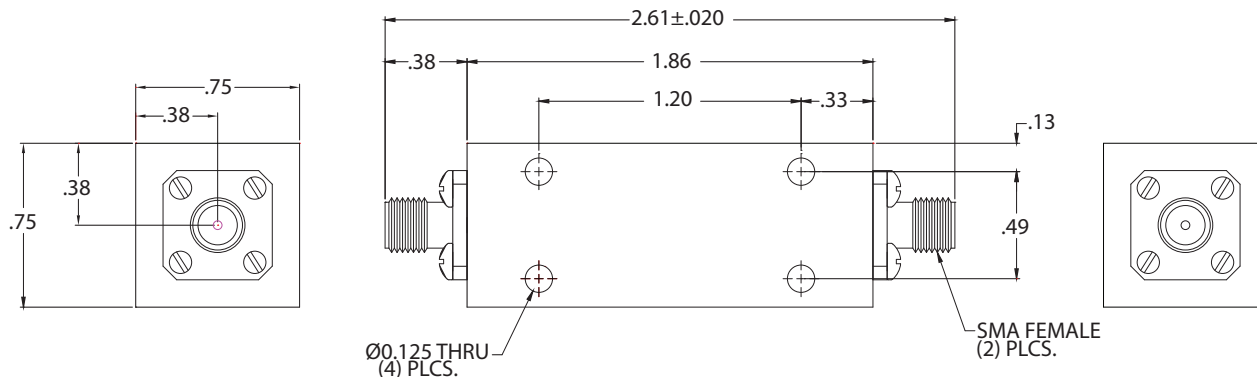
Burn-in per MIL-STD-883, Method 1015

Leak Test per MIL-STD-883, Method 1014

External Visual per MIL-STD-883, Method 2009



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(TYPICAL WEIGHT = 46.0g)

STANDARD CASE STYLE C46  
(Optional Case Styles – C24, C25, C88, C89, M70)

## Part Number Ordering Information:

- Add desired case style suffix: "C46" (Ex: ACLM-4869C46)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-4869C25R) (SMA Female Input/SMA Male Output)
- Add "H" suffix: High power handling version: (Ex: ACLM-4869HC25R)
- Add "-RC" suffix: RoHS-compliant (Ex: ACLM-4869HC25-RC)

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ISO 9001:2008 certified



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.