

ACLM-4891

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)	600 – 3100	MHz
Peak Input Power (max)	1.0	kW
CW Input Power (max)	60.0	W
Flat Leakage (CW Power) (max)	13.0	dBm
Insertion Loss (max)	0.50	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

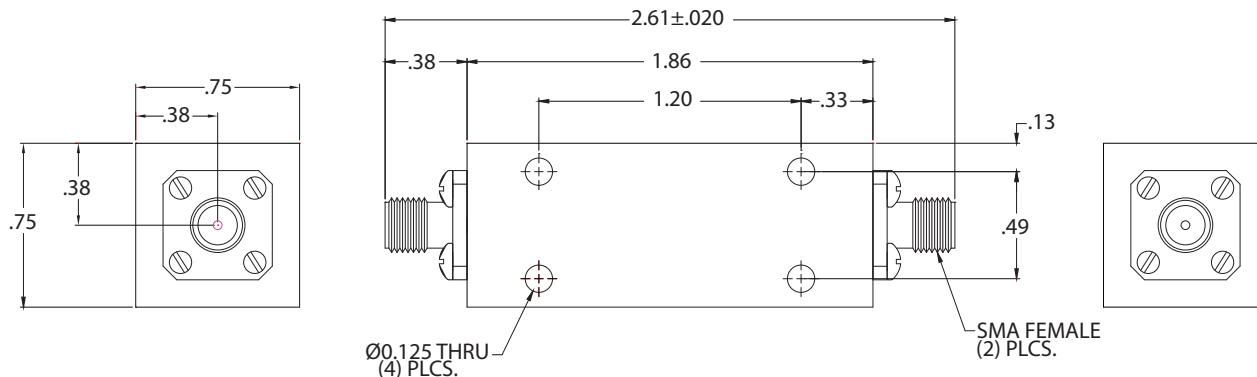
Burn-in per MIL-STD-883, Method 1015

Leak Test per MIL-STD-883, Method 1014

External Visual per MIL-STD-883, Method 2009



40 Industrial Way East, Eatontown, NJ 07724 [USA]
Phone: (732) 460-0212, Fax: (732) 460-0214
www.aeroflex.com/acc, email: acc-sales@eroflex.com



(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)

Aeroflex Control Components
Aeroflex Microelectronic Solutions
40 Industrial Way East
Eatontown, NJ 07724 [USA]
Fax: (732) 460-0214

Sales
Phone: (732) 460-0212
ACC-sales@aeroflex.com

www.aeroflex.com/Microwave www.aeroflex.com/ACC

Aeroflex Control Components reserves the right to make changes to any products and services herein at any time without notice. Consult Aeroflex or an authorized sales representative to verify that the information in this data sheet is current before using this product. Aeroflex does not assume any responsibility or liability arising out of the application or use of any product or service described herein, except as expressly agreed to in writing by Aeroflex; nor does the purchase, lease, or use of a product or service from Aeroflex convey a license under any patent rights, copyrights, trademark rights, or any other of the intellectual rights of Aeroflex or of third parties.

Copyright 2011 Aeroflex Control Components. All rights reserved.

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.