

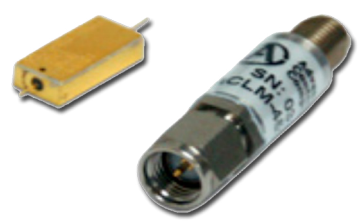
ACLM-4616F

Pin Diode Low Leakage Limiter



Features

- Low Insertion Loss
- Low Leakage Power Circuit Protection
- High CW Power Handling
- Hermetically Sealed Modules
- Assorted Package Styles
- Custom Designs Available



Specifications:

Parameter	Specification	Units
Frequency Range (min)	6.0 – 18.0	GHz
Peak Input Power (max)	100.0	W
CW Input Power (max)	2.0	W
Flat Leakage (CW Power) (max)	13.0	dBm
Insertion Loss (max)	2.4	dB
VSWR (max)	2.2:1	ratio

Notes:

Typically CW leakage is measured at mid-band with 1W input.
Higher power handling available. Contact the factory to discuss specific requirements.
Power handling is linearly derated from full power at +25°C to zero power at +150°C

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

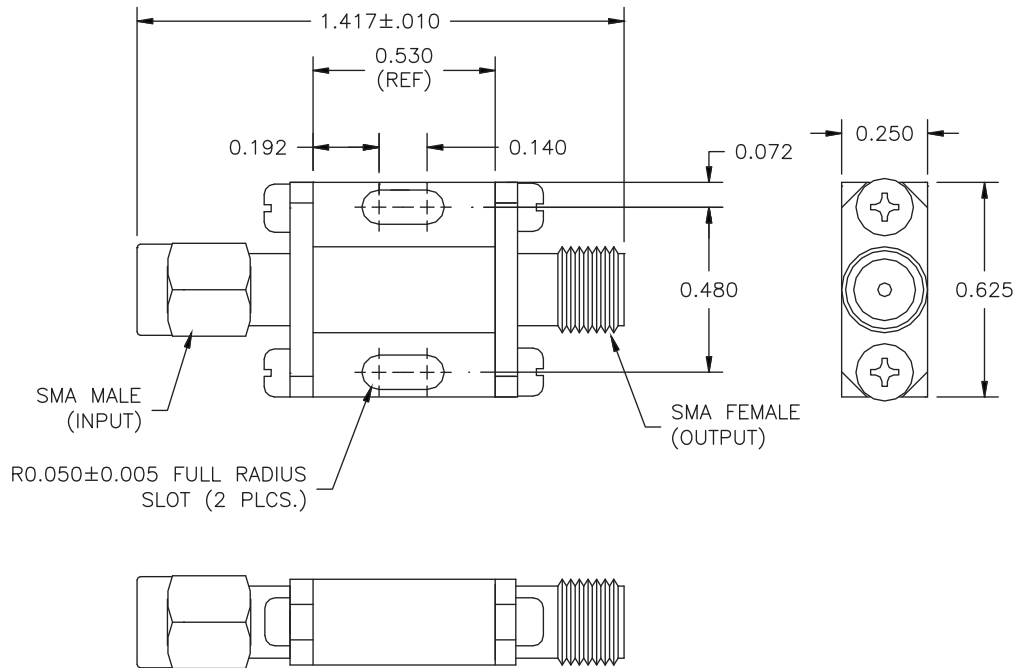
SCREENING:

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

Outline Drawing:



STANDARD CASE STYLE C36
(Optional Case Styles – C37, M22)

Part Number Ordering Information:

- Add desired case style suffix: "C36" (Ex: ACLM-4616FC36)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-4616FC36R) (SMA Female Input/SMA Male Output)
- Add "1K" suffix: High power handling version: (Ex: ACLM-4616FC36R1K)
- Add "-RC" suffix: RoHS-compliant (Ex: ACLM-4616FC36R1K-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.