## ACLM-4650F 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)	0.50 – 2.0	GHz
Peak Input Power (max)	100.0	W
CW Input Power (max)	2.0	W
Flat Leakage (CW Power) (max)	13.5	dBm
Insertion Loss (max)	0.50	dB
VSWR (max)	1.4:1	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):

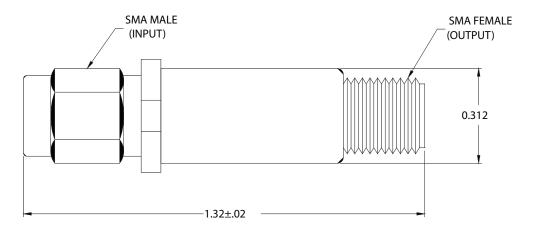
Stabilization Bake per MIL-STD-883, Method 1008 Temperature Cycle per MIL-STD-883, Method 1010 Constant Acceleration per MIL-STD-883, Method 2001

Burn-in per MIL-STD-883, Method 1015 Leak Test per MIL-STD-883, Method 1014 External Visual per MIL-STD-883, Method 2009



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STANDARD CASE STYLE C3 (Optional Case Styles – C36, C37, M10, M22)

### **Part Number Ordering Information:**

- Add desired case style suffix: "C3" (Ex: ACLM-4885FC3)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-4885FC3R) (SMA Female Input/SMA Male Output)
- Add "1K" suffix: High power handling version: (Ex: ACLM-4885FC3R1K)
- Add "-RC" suffix: RoHS-compliant (Ex: ACLM-4885FC3R1K-RC)

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## ISO 9001:2008 certified









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