

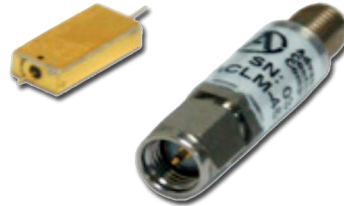
# ACLM-4594F

## 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)	0.02 – 0.50	GHz
Peak Input Power (max)	100.0	W
CW Input Power (max)	3.0	W
Flat Leakage (CW Power) (max)	13.5	dBm
Insertion Loss (max)	0.40	dB
VSWR (max)	1.3:1	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:

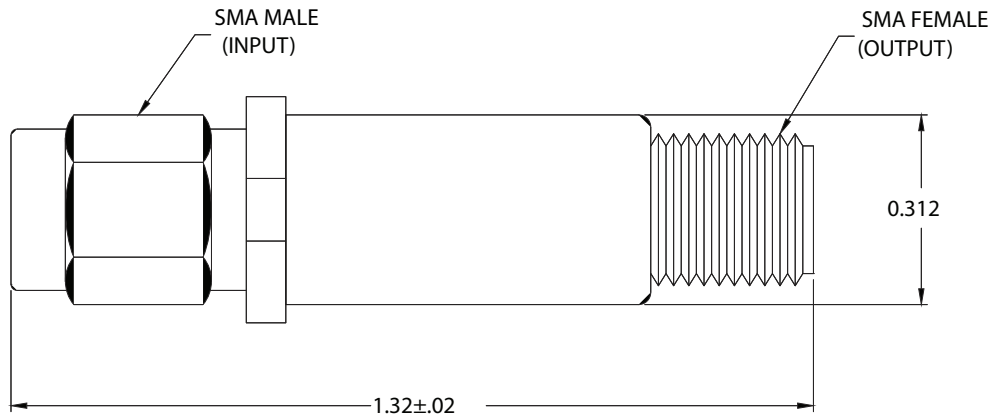
Internal Visual per MIL-STD-883, Method 2017  
Temperature Cycle: -65°C to +100°C, 10 cycles

### 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



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