



# ACLM-4786F PIN DIODE FEEDBACK LIMITER

<b>Frequency Range (min)</b>	0.1 – 1	GHz
<b>Peak Input Power (max)</b>	100	W
<b>CW Input Power (max)</b>	2	W
<b>CW Flat Leakage (max)</b>	13.5	dBm
<b>Insertion Loss (max)</b>	0.3	dB
<b>VSWR (max)</b>	1.3:1	ratio

**NOTES:**

CW Leakage is measured at 1W input  
 Up to 1KW peak power handling is available. Insertion loss and VSWR will degrade slightly.  
 Power handling is linearly derated from full power at 25°C to zero power at +150°C.

**ENVIRONMENTAL SPECIFICATIONS:**

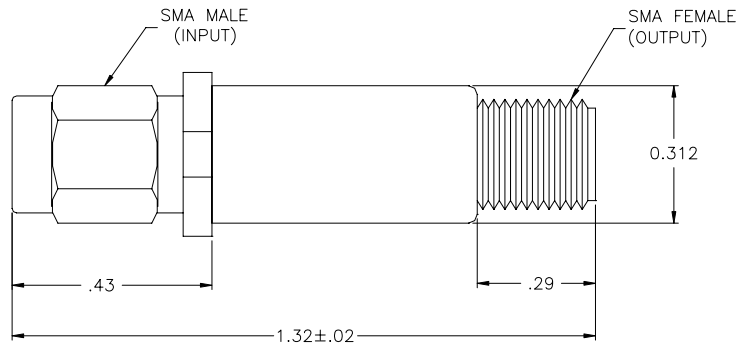
MIL-E-5400, MIL-STD-202, MIL-E-16400  
 Operating Temp: -55°C to +125°C  
 Storage Temp: -65°C to +150°C  
 Humidity: MIL-STD-202F, M103, Cond B  
 Shock: MIL-STD-202F, M213, Cond B  
 Altitude: MIL-STD-202F, M105, Cond B  
 Vibration : MIL-STD-202F, M204, Cond B  
 Thermal Shock: MIL-STD-202F, M107, 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



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

**PART NUMBER ORDERING INFORMATION:**

- Add desired case style suffix: "C3" (Ex: ACLM-4786FC3)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-4786FC3R) (SMA Female Input/SMA Male Output)
- Add "1K" suffix: High power handling version: (Ex: ACLM-4786FC3R1K)
- Add "-RC" suffix: RoHS-compliant (Ex: ACLM-4786FC3R1K-RC)

