



ACLM-4594F PIN DIODE FEEDBACK LIMITER

Frequency Range (min)	0.02 – 0.5	GHz
Peak Input Power (max)	100	W
CW Input Power (max)	3	W
CW Flat Leakage (max)	13.5	dBm
Insertion Loss (max)	0.4	dB
VSWR (max)	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:

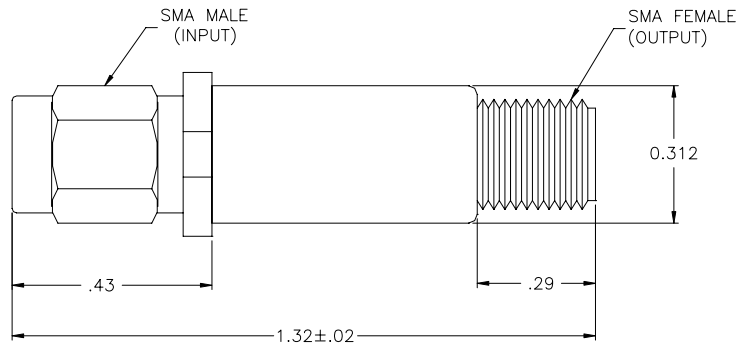
MIL-E-5400, MIL-STD-202, MIL-E-16400
 Operating Temp: -55°C to +125°C
 Storage Temp: -65°C to +150°C
 Humidity: MIL-STD-202F, M103, Cond B
 Shock: MIL-STD-202F, M213, Cond B
 Altitude: MIL-STD-202F, M105, Cond B
 Vibration : MIL-STD-202F, M204, Cond B
 Thermal Shock: MIL-STD-202F, M107, Cond A
 Temperature 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-4594FC3)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-4594FC3R) (SMA Female Input/SMA Male Output)
- Add "1K" suffix: High power handling version: (Ex: ACLM-4594FC3R1K)
- Add "-RC" suffix: RoHS-compliant (Ex: ACLM-4594FC3R1K-RC)

