

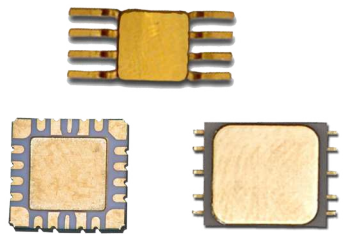
# ACLM-4812F

## Surface Mount Limiter



### Features:

- Limits input power levels of 10W CW
- Operating temperature range of -55 ° C to +85 ° C
- Offered in drop in and surface mount packages
- Coaxial configurations available upon request
- RoHS Compliant



### Specifications:

Parameter	Specification	Units
Frequency Range (min)	0.020 – 3.0	GHz
Peak Input Power (max)	1000	W
CW Input Power (max)	10	W
CW Flat Leakage (max)	12.5	dBm
Insertion Loss (max)	1.0	dB
VSWR (max)	1.4:1	ratio

### Notes:

Typically CW leakage is measured at mid-band with 1W input.

Power handling is rated from -55°C to +85°C.

### Features:

- Low Insertion Loss
- Low Leakage Power Circuit Protection
- High CW Power Handling
- Hermetically Sealed Modules

### Environmental Specifications:

Designed to meet:

MIL-E-5400, MIL-STD-202, MIL-E-16400  
 Operating Temp: -55 °C to +85 °C  
 Storage Temp: -65 °C to +125 °C  
 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

### Standard Screening:

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

### OPTIONAL HIGH-REL SCREENING

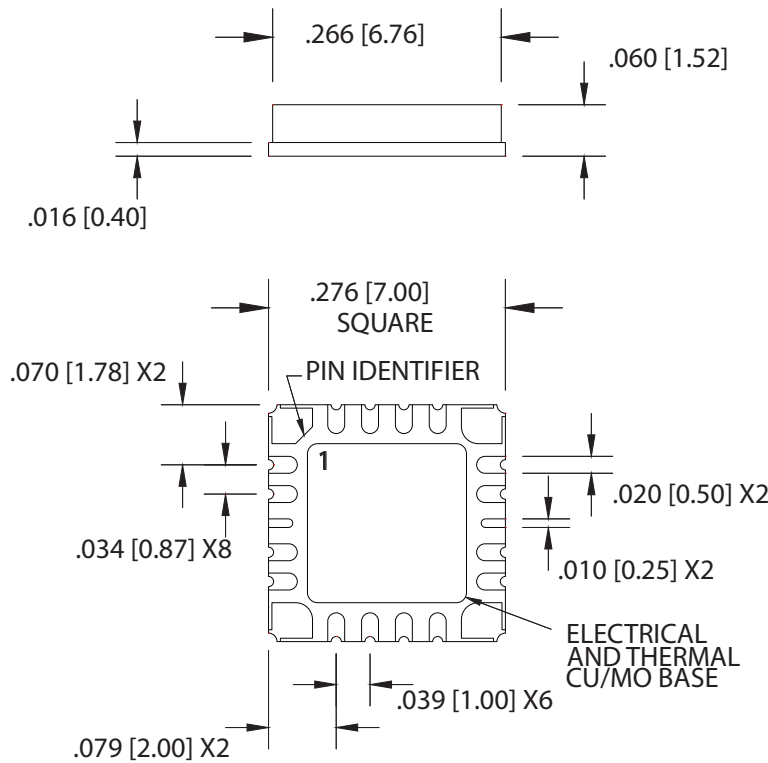
#### (Ref MIL-PRF-38534):

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  
 External Visual per MIL-STD-883, Method



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**Outline Drawing:**



PINOUT MATRIX	
PIN	FUNCTION
1	N/C
2	GND
3	RF INPUT
4	GND
5	N/C
6	N/C
7	N/C
8	N/C
9	N/C
10	N/C
11	GND
12	OUTPUT
13	GND
14	N/C
15	N/C
16	N/C

NOTE: FOR BEST ELECTRICAL PERFORMANCE BASE AND CORNER TAB MUST BE GROUNDED

ATTENTION:  
THIS IS A TOP VIEW (AS MOUNTED)  
(TYPICAL WEIGHT = 0.27g)

STANDARD CASE STYLE M17  
(OPTIONAL CASE STYLES M16, M22)

**Part Number Ordering Information:**

- Add desired case style suffix: "M16" (Ex: ACLM-4812FM16)

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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.