

Description:

Integrated RF module that contains an input limiter, limiting amplifier, and output fixed attenuator which is designed for Military and Industrial applications. This module is supplied in a SMA connectorized housing.

This model provides the following performance.

Specifications:

Frequency Range: 1.0 to 18.0 GHz
 Input Power: -61 to +30dBm CW
 Output Power: +7.0dBm Min., +11dBm Max
 +/-2.0dB (over input power range)
 Noise Figure: 8dB typ.
 Spurious Rejection: -60dBc typ.
 Harmonic Rejection: -10dBc typ.
 VSWR Input/Output: 2.0:1 Max.
 DC Voltage Supply: +12 to +15VDC
 DC Current Draw: 460mA Typ.
 Connectors: SMA(F)
 Finish: Gold Plated

Features:

Internal Voltage Regulation
 Unconditional Stability

Available Options:

Various Package types
 Various Connector types
 Temperature Compensation
 Hermetic Sealing
 Gain and Phase Matching
 MIL-STD-883 Screening Available

Environmental Ratings:

Temperature: -55 to +85 Deg. C (Operating)
 -55 to +125 Deg. C (Storage)
 Humidity: MIL-STD-202F, METHOD 103B COND B.
 Shock: MIL-STD-202F, METHOD 213B COND B.
 Altitude: MIL-STD-202F, METHOD 105C COND B.
 Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

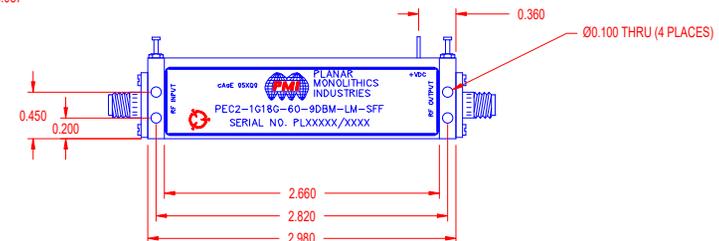
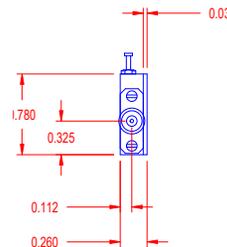
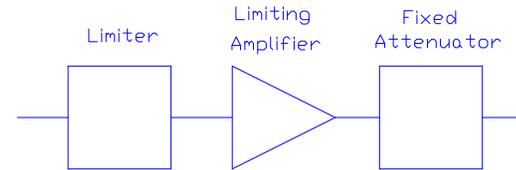
Note: The above specifications are subject to change or revision.

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.020
 X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/02/14	
	A1	ECN # 15-0038	03/26/15	
	B1	ECN # 24-0130	05/07/24	

MECHANICAL OUTLINE

Functional Block Diagram



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>VR</i>		12/02/14	PRODUCT FEATURE PEC2-1G18G-60-9DBM-LM-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27024464
ISSUED			SCALE N: S		REV. B1
					SHEET 1 OF 1