

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 12.0 GHz
Input Power:	-61 to +15 dBm
Output Power:	21 dBm Min +/-2.0 dB (over input power range) Nominal
Noise Figure:	8 dB Typ.
Spurious Rejection:	-60 dBc Typ.
Harmonic Rejection:	-10 dBc Typ.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	560 mA Typ.
Connectors:	D 0.015 mm Pins
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

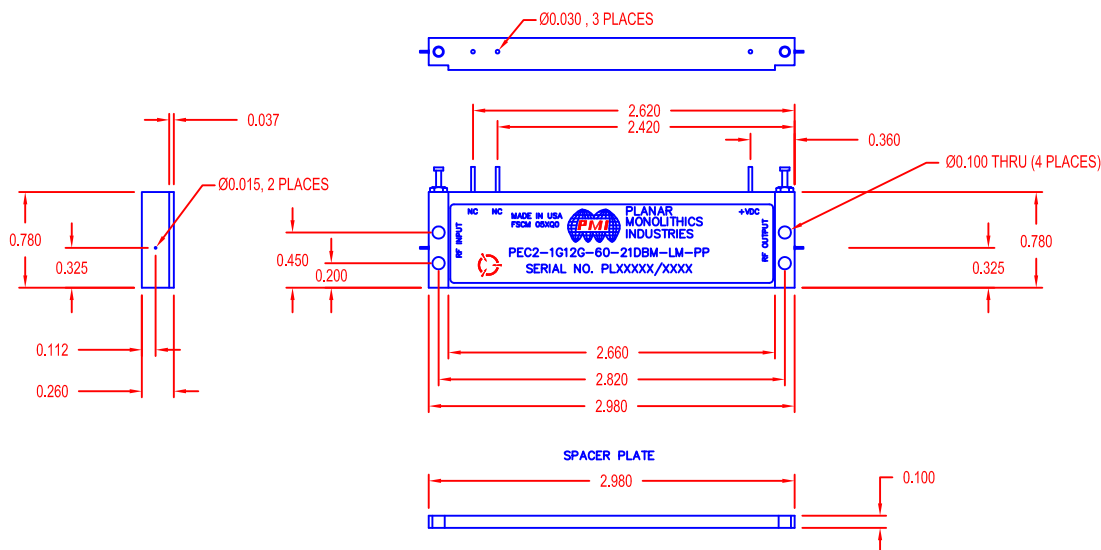
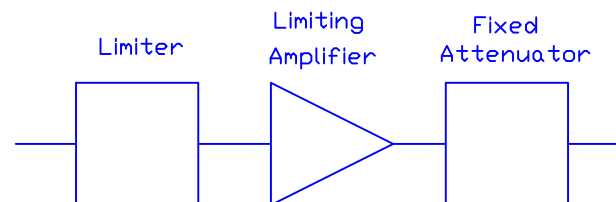
Note: The above specifications are subject to change or revision.

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	06/29/17	

MECHANICAL OUTLINE

Functional Block Diagram



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN	EMF	10/11/16		PRODUCT FEATURE			
REDRAWN	JPU	06/29/17		PEC2-1G12G-60-21DBM-LM-PP			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27032924	1
				SCALE	N: S	SHEET	1 OF 1