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:

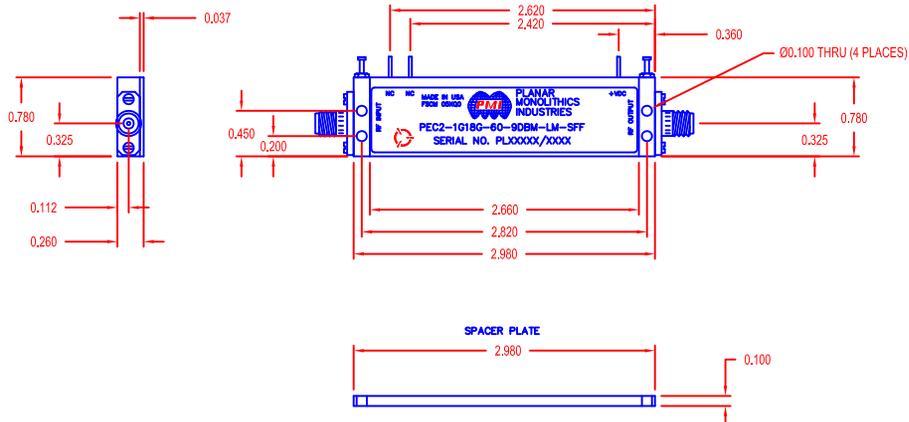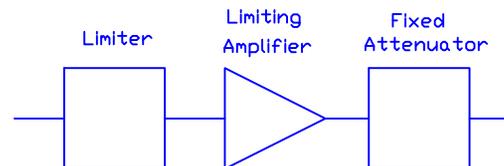|	
Temperature:	-55 to +85 Deg. C (Operating)
	-55 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/02/14	
	A1	ECN # 15-0038	03/26/15	

MECHANICAL OUTLINE

Functional Block Diagram

Limiter | Limiting Amplifier | Fixed Attenuator

PLANAR MONOLITHICS INDUSTRIES
PEC2-1G18G-60-9DBM-LM-SFF
SERIAL NO. PLXXXXX/XXXX

Ø0.100 THRU (4 PLACES)

2.620 / 2.420 / 0.360
0.037
0.780 / 0.325
0.450 / 0.200
2.660 / 2.820 / 2.980
0.112
0.260
0.780 / 0.325

SPACER PLATE
2.980
0.100

PLANAR MONOLITHICS INDUSTRIES, INC.

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WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS	DATE	TITLE
DRAWN VR	12/02/14	PRODUCT FEATURE
CHECKED		PEC2-1G18G-60-9DBM-LM-SFF
ISSUED		

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27024464	A1

SCALE N:S		SHEET 1 OF 1