

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:	2.0 to 18.0 GHz
Input Power:	-60 to +30dBm CW
Output Power:	+2.0dBm Nominal +/-2.0dB (over input power range)
Noise Figure:	10dB Max.
Spurious Rejection:	-60dBc typ.
Harmonic Rejection:	-10dBc typ.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	460 mA Typ.
Connectors:	SMA(F)
Specifications Temperature:	+23 Deg. C

Features:

Internal Voltage Regulation
 Unconditional Stability
 Standard Operating Temperature -20 to +70 Deg. C

Available Options:

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

Environmental Ratings:

Temperature:	-20 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available
	-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

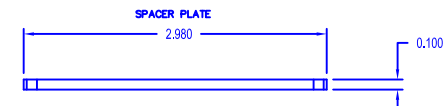
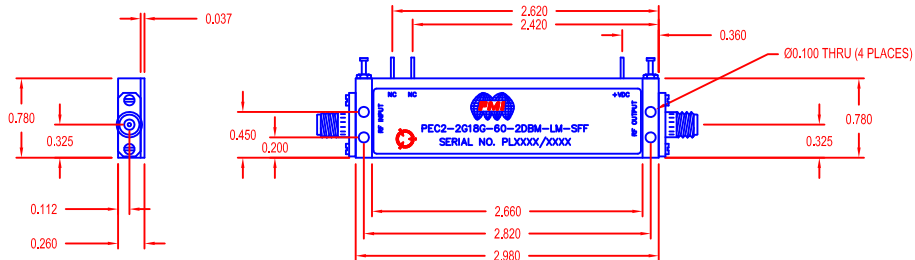
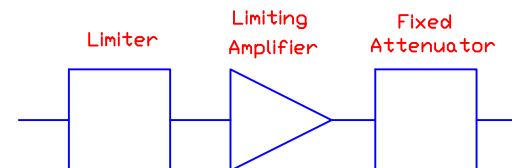
Note: The above specifications are subject to change or revision.

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.010
 X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	11/18/09	

MECHANICAL OUTLINE

Functional Block Diagram



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com
 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>KM</i>		11/18/09	PRODUCT FEATURE PEC2-2G18G-60-2DBM-LM-SFF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27014921
			SCALE	N: S	SHEET 1 OF 1