

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:	-50 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:	TBD mA Max.
Connectors:	SMA(F)
Specifications Temperature:	+23 Deg. C
Finish:	Gold Plated

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:

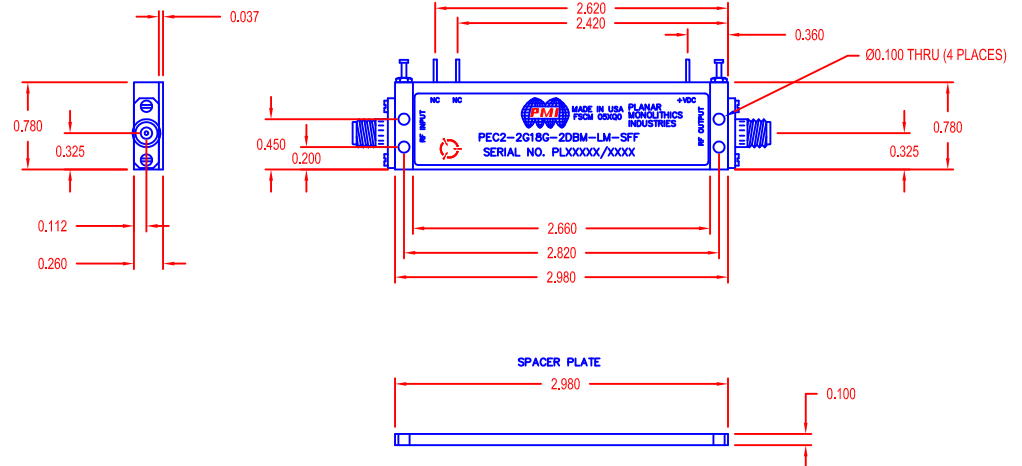
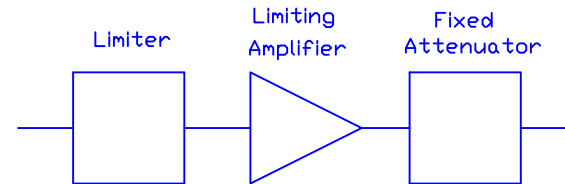
Temperature:	-20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
	-55 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

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


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/12/10	
	A2	ECN # 14-0117	7/22/14	

Functional Block Diagram



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APPROVALS		DATE			
DRAWN <i>K.M.</i>		11/18/09			
CHECKED		SIZE	FSCM NO.	DWG NO.	REV.
ISSUED		A	05XQ0	27012241	A2
SCALE N: S				SHEET 1 OF 1	

TITLE: PRODUCT FEATURE
 PEC2-2G18G-2DM-LM-SFF