

Description:

PMI Model No. PEC2-2G18G-80DB-20-26DBM-LM-SFF is a 2.0 to 18.0 GHz limiting amplifier that provides a limited output power level of +20dBm min. and +26dBm max. for an input power range of -55 to +10dBm CW. This model has output power level versus frequency compensation such that the limited output power has a flat frequency response. Supplied in a small housing measuring only 2.98" X 0.78" X 0.26"

This model provides the following performance.

Specifications:

Frequency Range:	2.0 to 18.0 GHz
Input Power:	-55 to +10dBm CW Typical
Saturated Output Power:	+20dBm Min. / +26dBm Max.
Output Power Variation:	+/-2.0dBm Max. over operating temperature range
OP1dB:	4dBm below Psat typical
2nd Harmonic Rejection:	-8dBc @ Psat
3rd Harmonic Rejection:	-9dBc @ Psat
3rd Order Intercept Point:	35dBm - Design Goal
VSWR Input/Output:	2.0:1 Max.
Maximum RF Input Power:	+17dBm CW
DC Voltage Supply:	+15VDC *
DC Current Draw:	700mA Max.
Connectors:	SMA(F)
Operating Temperature:	-20 to +70 Deg. C
Finish:	Gold Plated

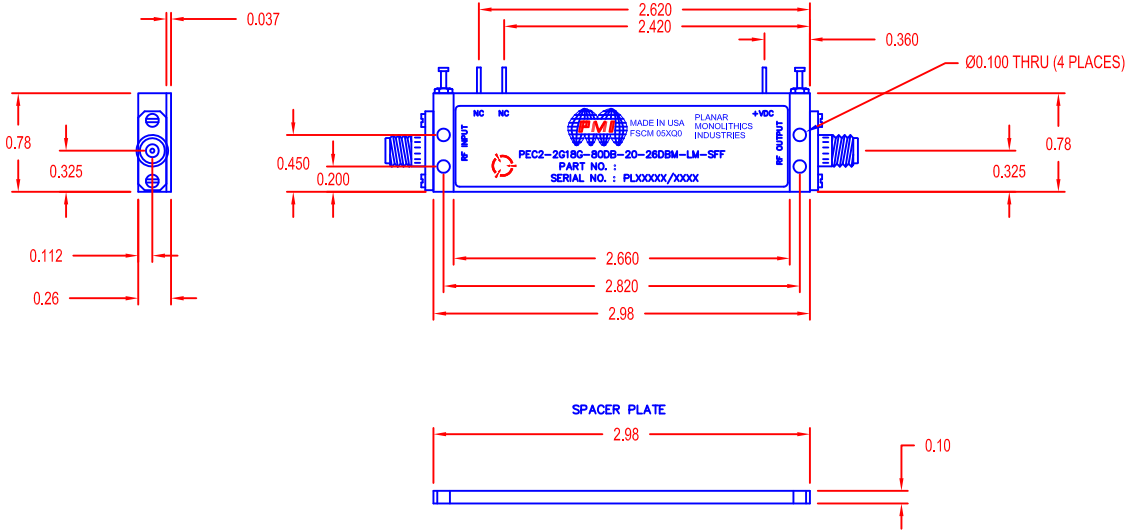
* (Including Reverse Polarity Protection and over voltage protection up to +/-25VDC)

Environmental Ratings:

Temperature:	-20 to +70 Deg. C (Operating)
	-55 to +100 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
EMI/EMC:	Designed to meet MIL-STD-461E

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
		PRELIMINARY	11/17/17



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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS	DATE	TITLE	
DESIGN	12/03/14	PRODUCT FEATURE	
CHECKED	11/17/17	PEC2-2G18G-80DB-20-26DBM-LM-SFF	
DRAWN		SIZE	FORM NO.
		B	05XQ0
		DWG NO.	PRELIMINARY
		SCALE	N/S
		SHEET	1 OF 1