

Description:

PMI Model No. PEC2-100M200M-80DB-21DBM-LM-SFF is a 100MHz to 200MHz limiting amplifier that provides a limited output power level of +21dBm for an input power range of -50 to +5dBm 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:	100 to 200 MHz
Input Power:	-50 to +5dBm CW
Saturated Output Power:	+21dBm Nominal
Output Power Variation:	+/-2.0dBm Typical over operating temperature range
VSWR Input/Output:	2.0:1 Max.
Maximum RF Input Power:	+20dBm CW
DC Voltage Supply:	+12 to 15VDC
DC Current Draw:	175mA Nominal
Connectors:	SMA(F)
Operating Temperature:	-20 to +70 Deg. C
Finish:	Gold Plated

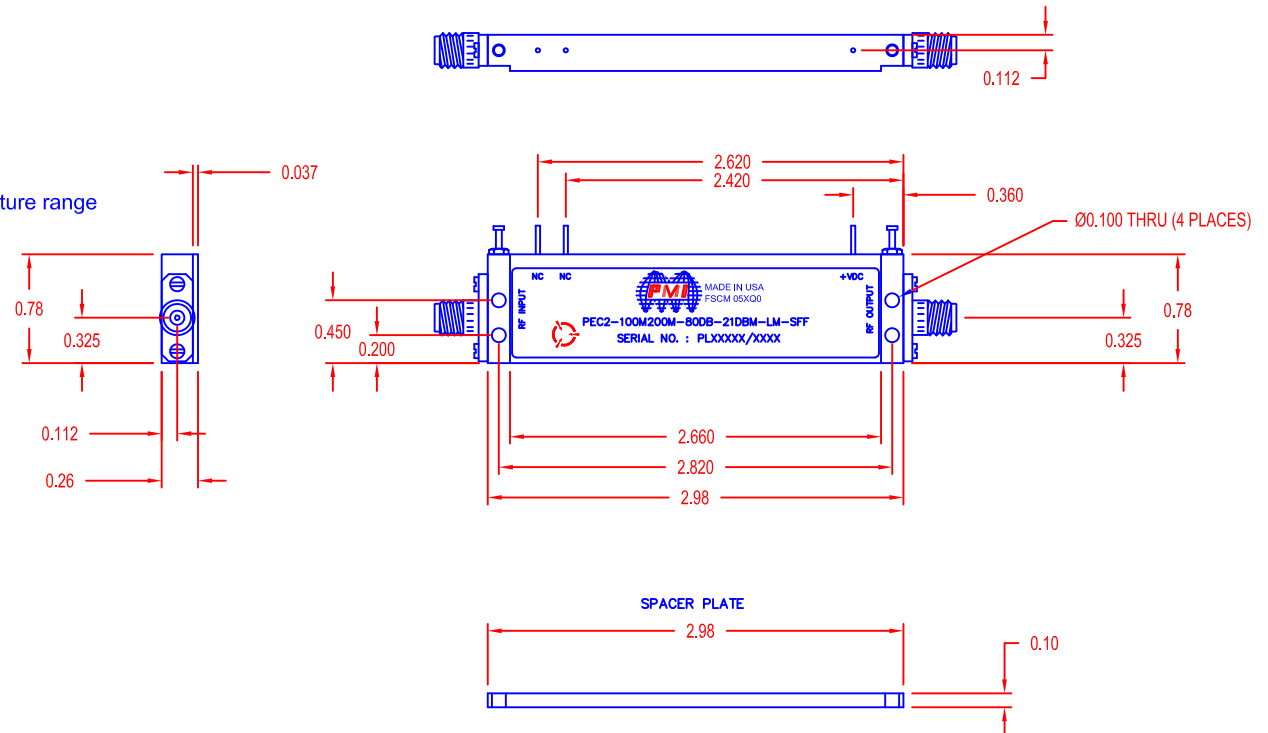
Environmental Ratings:

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	12/22/14

Mechanical Outline



PMI CONFIDENTIAL AND PROPRIETARY

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

PART NO.		PLANAR MONOLITHICS INDUSTRIES, INC.	
APPROVALS		7811-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-662-2019 FAX: 301-662-1731 WEBSITE: www.planar.com E-MAIL: info@planar.com ISO 9001:2008 CERTIFIED	
DATE		12/22/14	
DRAWN		K. JAYEN	
CHECKED			
SHEET		1	
SIZE		B 05XQ0	
SCALE		N/S	
TITLE		PRODUCT FEATURE PEC2-100M200M-80DB-21DBM-LM-SFF	
REV.		PRELIMINARY	
SHEET		1 OF 1	