

Description:

PMI Model No. PEC2-1R8G6R2G-17DBM-LM-SFF is a 1.8 to 6.2 GHz limiting amplifier that provides a limited output power level of +12dBm to +17dBm for an input power range of -67 to +10dBm. Supplied in a small housing measuring only 3.22" X 0.90" X 0.36"

REVISIONS				
DATE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	0-27-20	
	1	REMOVABLE CONNECTORS	9-1-20	
	A1	RELEASE	9-14-20	
	A2	HARMONICS	1-14-21	

Specifications:

Frequency Range:	1.8 to 6.2 GHz
Input Power:	-67 to +10dBm CW
Saturated Output Power:	+12.0dBm to 17dBm Nominal
Noise Figure:	6dB Max
2nd Harmonic Rejection:	-10dBc Max
VSWR Input/Output:	2.0:1 Max
DC Voltage Supply:	+12VDC
DC Current Draw:	650mA Max.
Connectors:	SMA(F)
Operating Temperature:	-40 to +95 Deg. C
Storage Temperature:	-54 to +95 Deg. C
Finish:	Gold Plated



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +95°C (OPERATING)
-54°C TO +95°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND B
- SHOCK: MIL-STD-202F, METHOD 213B TEST COND B
- VIBRATION: MIL-STD-202F, METHOD 204D TEST COND B
- ALTITUDE: MIL-STD-202F, METHOD 105C TEST COND B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D TEST COND A

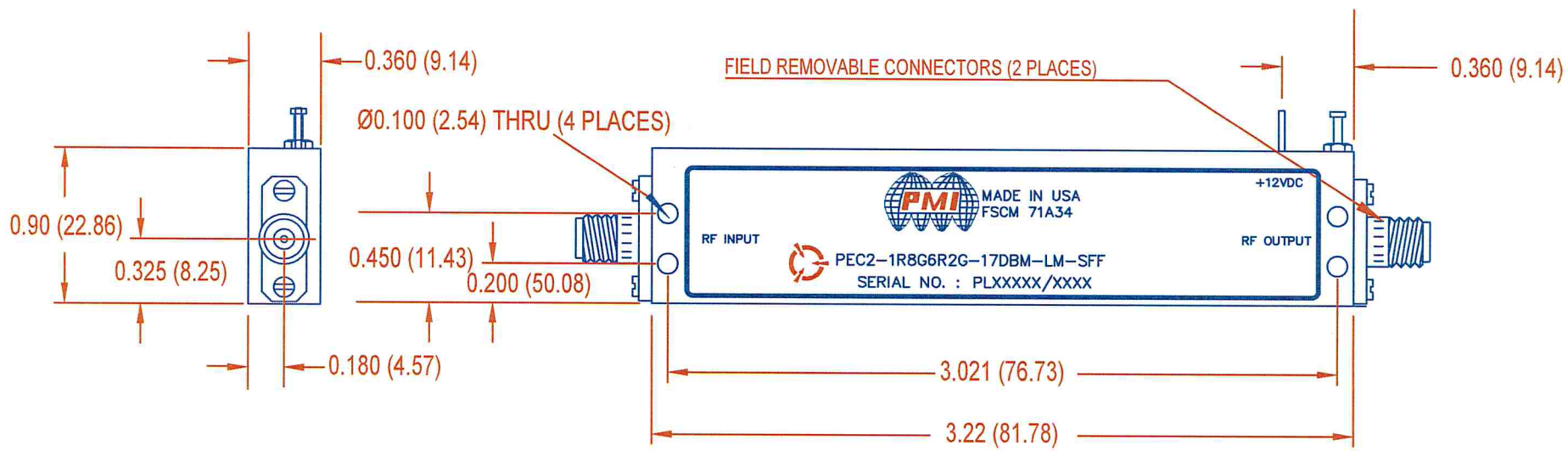
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

PART NO.		TITLE	
		PRODUCT FEATURE	
		PEC2-1R8G6R2G-17DBM-LM-SFF	
APPROVALS	DATE	SIZE	REV.
SM	0-27-20	B	A2
CHECKED		SCALE	
		N/S	
PLANAR MONOLITHICS INDUSTRIES, INC. 7311 F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-452-5010 FAX: 301-462-1731 WEBSITE: www.pmi-usa.com E-MAIL: info@pmi-usa.com ISO 9001 CERTIFIED		27040080 1 OF 2	

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PART NO.		PLANAR MONOLITHICS INDUSTRIES, INC. <small>7311 F CIRCLE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-462-5019 FAX: 301-462-1731 WEBSITE: www.pmi-usa.com E-MAIL: info@pmi-usa.com ISO 9001 CERTIFIED</small>	
APPROVALS	DATE	TITLE	
DESIGN <i>SM</i>	9-27-20	PRODUCT FEATURE	
CHECKED		PEC2-1R8G6R2G-17DBM-LM-SFF	
DATE		SIZE / PRICE NO.	REV. NO.
		B 05XQ0	27040080
		SCALE N/S	REV. A2
			SHEET 2 OF 2