

DESCRIPTION:

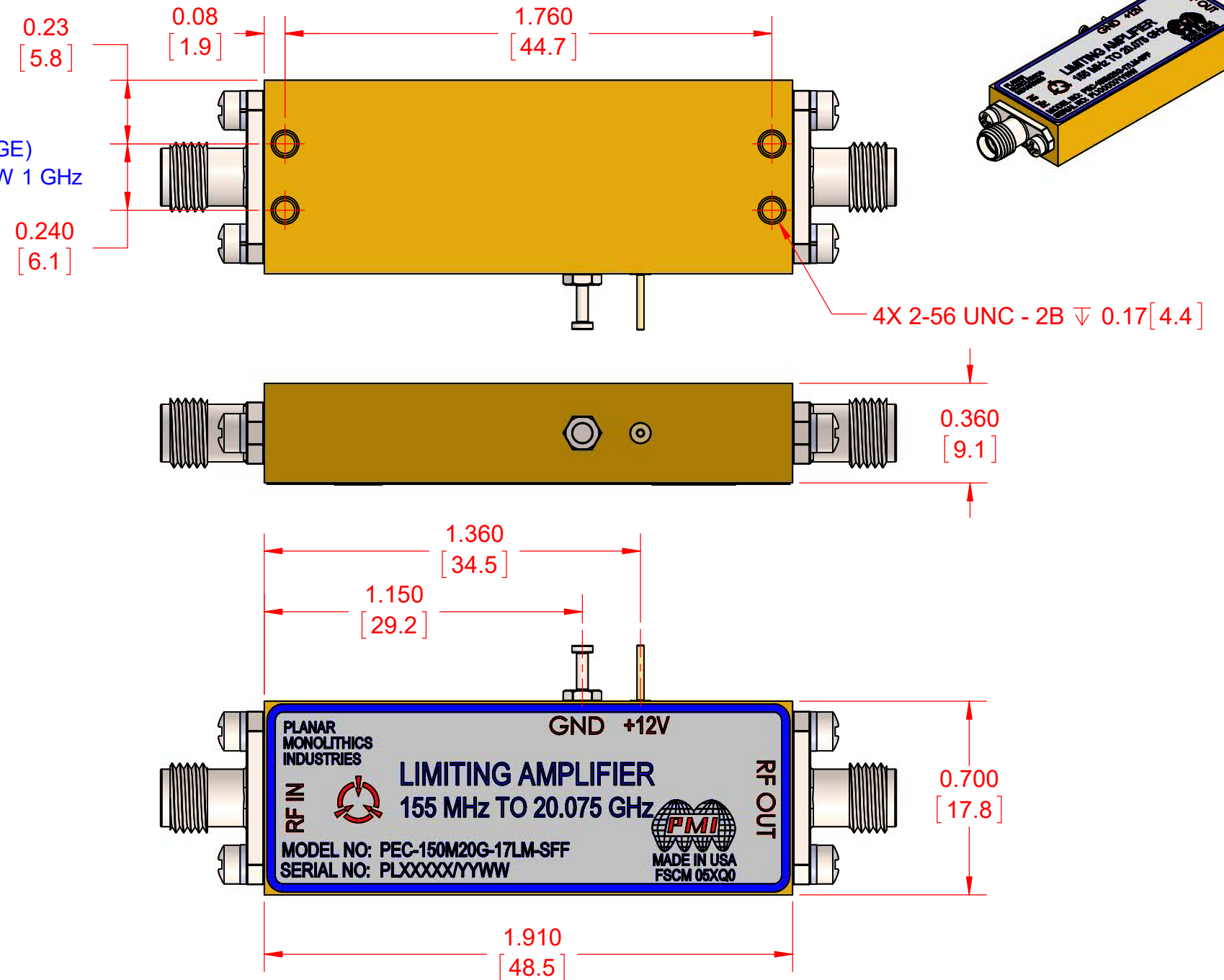
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PEC-150M20G-17LM-SFF IS A LIMITING AMPLIFIER COVERING THE RF RANGE OF 155 MHz TO 20.075 GHz. THIS MODULE FEATURES AN INPUT RANGE OF -25 TO +12 dBm WHILE MAINTAINING AN OUTPUT PSAT LEVEL OF +17 dBm.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/25/19	

SPECIFICATIONS:

- RF INPUT FREQUENCY RANGE:..... 155 MHz TO 20.075 GHz
- RF INPUT POWER RANGE (LIMITING):.....-25 TO +12 dBm
- MAX INPUT POWER (SURVIVAL):..... +20 dBm
- HARMONICS:.....-10 dBc MAX (WITHIN LIMITING RANGE)
- NOISE FIGURE:.....< 6 dB ABOVE 1 GHz, < 9 dB BELOW 1 GHz
- OUTPUT POWER (PSAT):..... +17 dBm MIN
- OUTPUT POWER FLATNESS:.....± 2.5 dBm MAX
- VSWR:.....2.2 : 1 MAX
- DC POWER:..... +12VDC @ 500 mA MAX

- CONNECTORS:.....SMA-F
- SIZE:.....1.910" X 0.700" X 0.360"
- FINISH:.....GOLD PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... 0°C TO +60°C (OPERATING)
-25°C TO +85°C (STORAGE)

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN M. HANKEN REDRAWN ISSUED		DATE 10/25/19		TITLE PRODUCT FEATURE PEC-150M20G-17LM-SFF			
		SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1	PLANAR MONOLITHICS INDUSTRIES, INC. 7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-862-5019, FAX: (301)-662-1731 WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com ISO 9001 CERTIFIED	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01				SCALE 2:1		SHEET 1 OF 1	