

DESCRIPTION

LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 2.0 to 4.0 GHZ
- GAIN: _____ 35 dB MINIMUM
- GAIN FLATNESS: _____ ± 1.0 dB MAXIMUM
- NOISE FIGURE: _____ 1.4 dB TYPICAL
- OP1dB: _____ 13 dBm MINIMUM
- VSWR (IN/OUT): _____ 2.0:1 MAXIMUM
- CONNECTORS: _____ SMA (F) REMOVABLE
- DC SUPPLY: _____ +12 TO +15 VDC @ 160 mA MAXIMUM
- SIZE _____ (L) 1.08" X (W) 0.71" X (H) 0.29"
EXCLUDING CONNECTORS
- 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

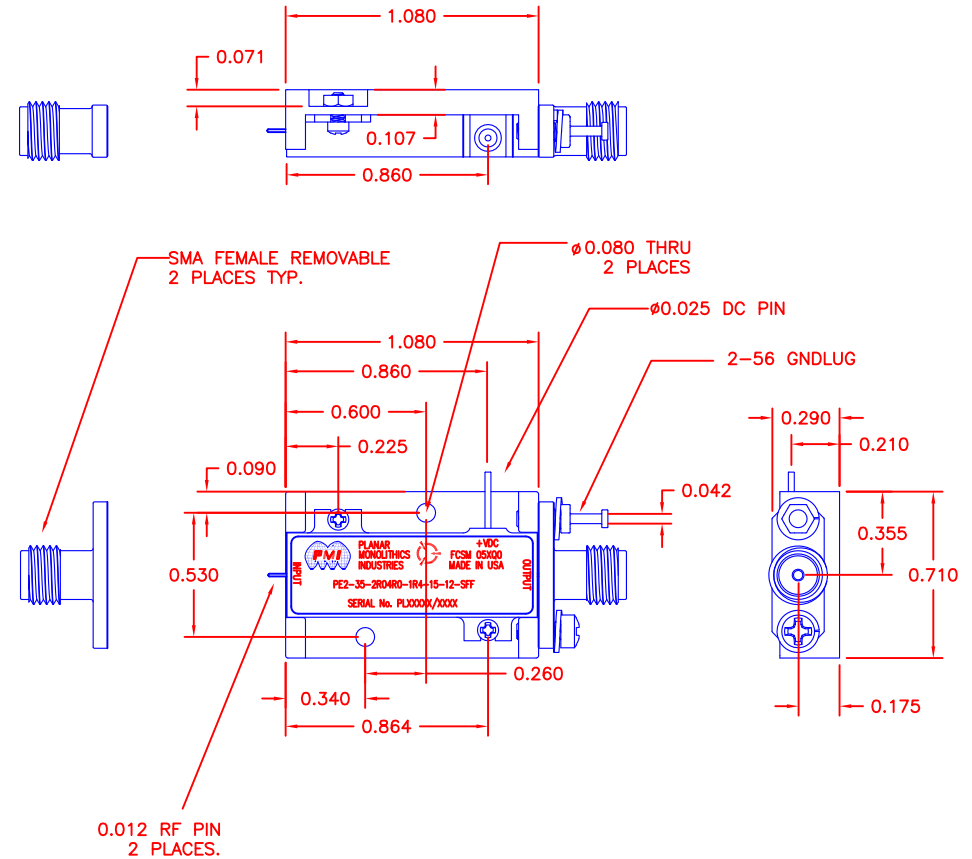
- TEMPERATURE: _____ -20°C TO + 70°C (OPERATING); -55 TO +85 DEG C AVAILABLE
-55°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	04/18/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>EMF</i>		04/18/16	PRODUCT FEATURE			
CHECKED			PE2-35-2R04R0-1R4-15-12-SFF			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
			SCALE N:S	SHEET 1 OF 1		