REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	10/26/16	

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: ——— 0.5 to 2.0 GHZ
- GAIN: ——— 22 dB TYPICAL
- GAIN FLATNESS: ——— ±0.5 dB MAXIMUM
- NOISE FIGURE: ——— 1.5 dB TYPICAL
- OP1dB: ——— 18 dBm MINIMUM
- VSWR (IN/OUT): ——— 2.3:1 MAXIMUM
- CONNECTORS: ——— SMA (F) REMOVABLE
- DC SUPPLY: ——— +12 TO +15 VDC @ 100 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

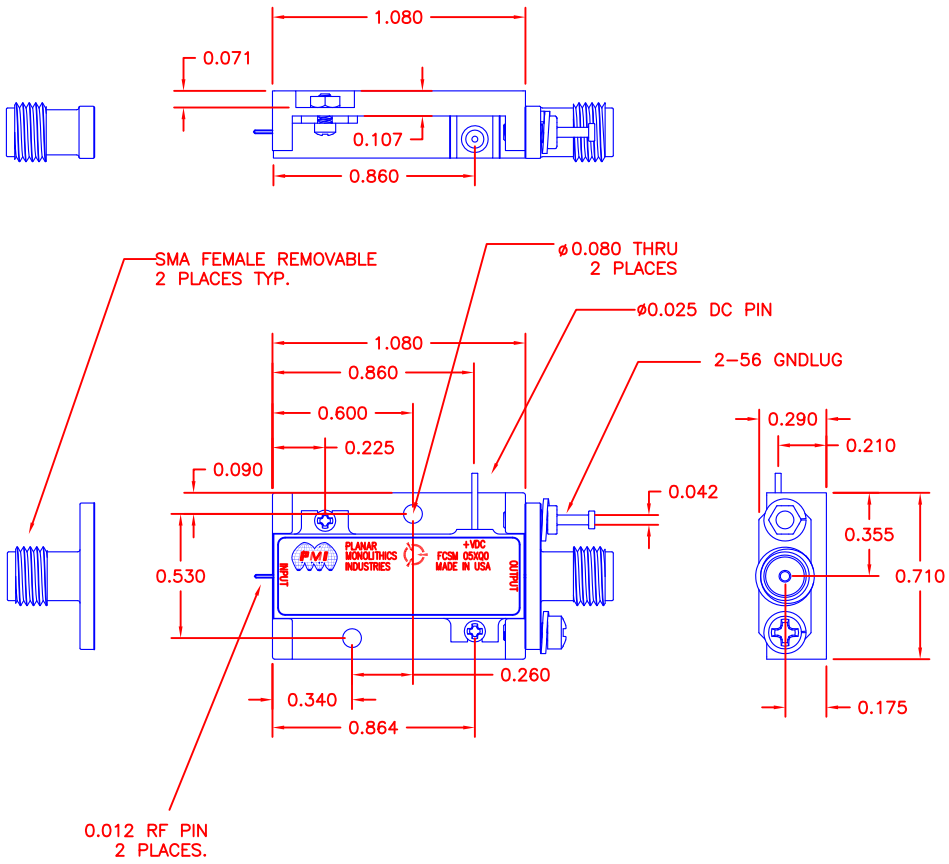
- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL−STD−883 SCREENING AVAILABLE

ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ——— −40 °C TO + 85 °C (OPERATING)
  −40 °C TO +100 °C (STORAGE)
- **HUMIDITY:** ——— MIL−STD−202F, METHOD 103B COND. B
- **SHOCK:** ——— MIL−STD−202F, METHOD 213B COND. B
- **VIBRATION:** ——— MIL−STD−202F, METHOD 204D COND. B
- **ALTITUDE:** ——— MIL−STD−202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** ——— MIL−STD−202F, METHOD 107D COND. A

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

MECHANICAL OUTLINE



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

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN EMF	10/26/16
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
PE2−22−0R52R0−1R5−18−12−SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	1

SCALE N:S SHEET 1 OF 1