DESCRIPTION

PMI MODEL: PE2-60-1R018R0-4R5-22-12-SFF IS A LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR SURFACE MOUNTED COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS

- FREQUENCY RANGE: ---------- 1.0 TO 18.0 GHz
- GAIN: ---------- 60 dB TYPICAL
- GAIN FLATNESS: ---------- ±3.0 dB TYPICAL
- NOISE FIGURE: ---------- 4.5 dB TYPICAL
- OP1dB: ---------- 22 dBm MINIMUM
- VSWR (INPUT/OUTPUT): -------- 2.0:1 MAXIMUM
- DC VOLTAGE SUPPLY: --------- +12 TO +15 VDC
- DC CURRENT DRAW: ---------- 650 mA TYPICAL
- CONNECTORS: ---------- SMA FEMALE (X2)
- FINISH: ---------- GOLD PLATED

FEATURES

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- STANDARD OPERATING TEMPERATURE (-20 °C TO +70 °C)

AVAILABLE OPTIONS

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

ENVIRONMENTAL RATINGS

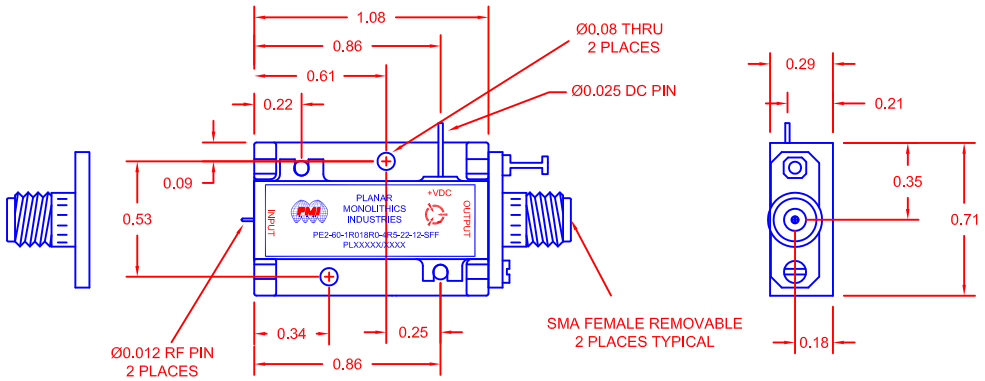
- TEMPERATURE: ---------- -20 °C TO +70 °C (OPERATING)
  -55 °C TO +85 °C (AVAILABLE)
  -65 °C TO +125 °C (STORAGE)
- HUMIDITY: ---------- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ---------- MIL-STD-202, METHOD 213B COND. B
- ALTITUDE: ---------- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ------- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

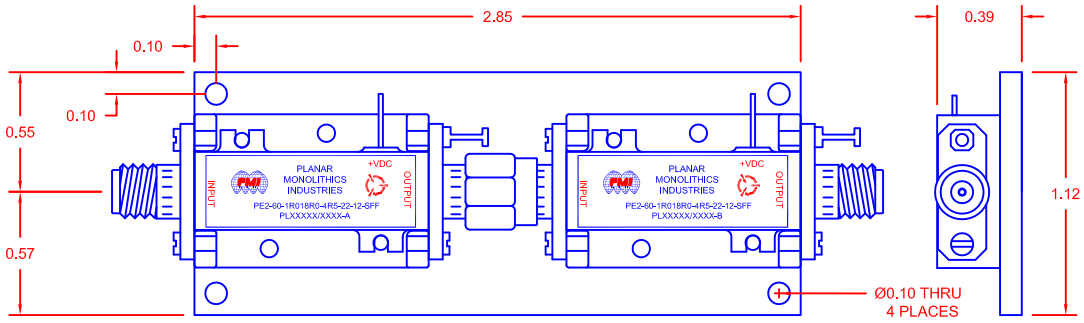
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/17/19	
	A2	SPEC UPDATES	1/11/20	
	B1	ECN # 22-0013	2/4/22	

PE2 HOUSING WITH CARRIER



PE2 HOUSING CASCADE



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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS	DATE
DRAWN NJA	9/17/19
REDRAWN	
ISSUED	

TITLE: PRODUCT FEATURE
PE2-60-1R018R0-4R5-22-12-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27037100	B1

SCALE N:S SHEET 1 OF 1