DESCRIPTION

PMI MODEL: PE2-60-4R08R0-1R5-21-12-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: --------- 4.0 TO 8.0 GHz
- GAIN: ------------------------------ 60 dB TYPICAL
- GAIN FLATNESS: --------------- ±1.25 dB MAXIMUM
- NOISE FIGURE: ------------------ 1.5 dB TYPICAL
- OP1dB: ---------------------------- 19 dBm MINIMUM
- VSWR (INPUT/OUTPUT): ------- 2.0:1 MAXIMUM
- DC VOLTAGE SUPPLY: -------- +12 TO +15 VDC
- DC CURRENT DRAW: ---------- 475 mA MAXIMUM
- 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 +125 °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

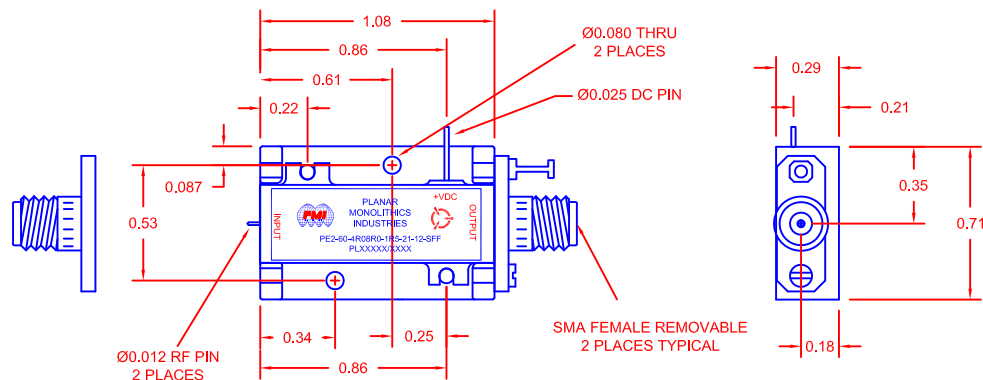NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PE2 HOUSING WITH CARRIER

Ø0.080 THRU 2 PLACES
Ø0.025 DC PIN
1.08
0.86
0.61
0.22
0.29
0.21
0.087
0.35
0.53
0.71
Ø0.012 RF PIN 2 PLACES
0.34
0.25
0.86
SMA FEMALE REMOVABLE 2 PLACES TYPICAL
0.18

PE2 HOUSING CASCADE
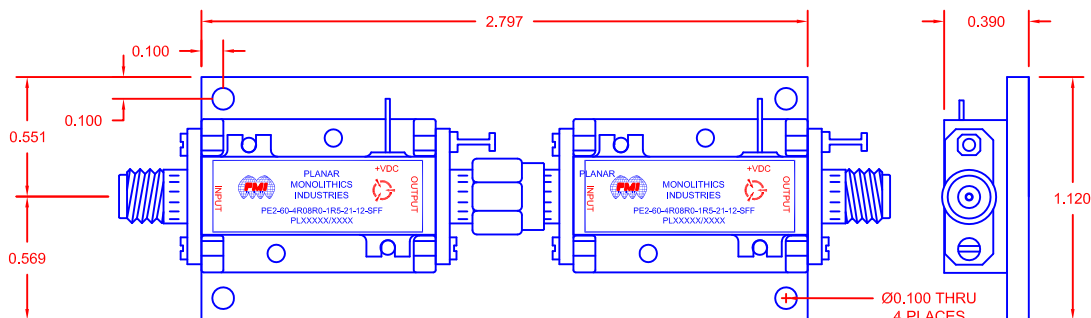
2.797
0.390
0.100
0.100
0.551
0.569
1.120
Ø0.100 THRU 4 PLACES

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/31/17	

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

	APPROVALS	DATE	TITLE	
DRAWN	EMF	3/31/17	PRODUCT FEATURE PE2-60-4R08R0-1R5-21-12-SFF	
CHECKED				
			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED				
			SCALE N:S	SHEET 1 OF 1