

DESCRIPTION

LOW NOISE AMPLIFIER SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS AN 2.922mm 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: 30.0 TO 40.0 GHz
- GAIN: 12dB TYP
- GAIN FLATNESS: ± 2.0 dB MAX
- NOISE FIGURE: 5.5dB TYP
- OP1dB: +18dBm MIN
- VSWR (IN/OUT): 2.5:1 TYP
- CONNECTORS: 2.92mm (F) REMOVABLE
- DC SUPPLY: +15VDC 300 mA MAX
- SIZE (L) 1.08" X (W) 0.71" X (H) 0.29"
EXCLUDING CONNECTORS
- FINISH GOLD PLATED

FEATURES

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

AVAILABLE OPTIONS

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

ENVIRONMENTAL RATINGS

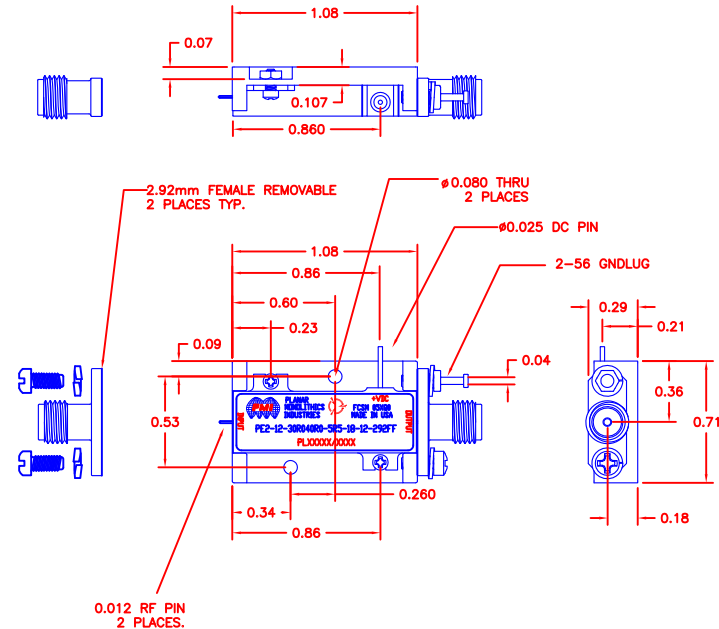
- TEMPERATURE: -20°C TO + 70°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

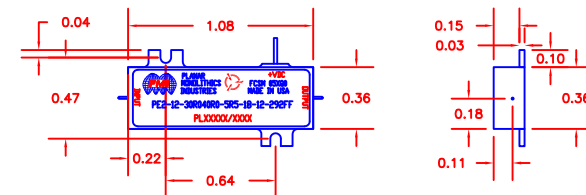
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.02
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	4/25/2016	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			REV.	
DRAWN		4/25/2016		PRODUCT FEATURE			1	
CHECKED				PE2-12-30G40G-5R5-18-15-292FF				
ISSUED								
SCALE		N:S		SIZE FSCM NO. DWG NO.				
				A 05XQ0 27029751				
				SHEET 1 OF 1				