

DESCRIPTION

PMI MODEL NO PE2-26-30G40G-7R0-16-292FF IS A DRIVER AMPLIFIER DESIGNED TO OPERATE OVER THE 30.0 TO 40.0GHZ FREQUENCY RANGE. THIS MODEL OFFERS 26DB OF GAIN WITH A OP1DB OF +16DBM AND A PSAT OF +19DBM. THE DC POWER REQUIRED IS 250MA AT +12 TO +15VDC. THE AMPLIFIER IS SUPPLIED IN A PACKAGE MEASURING ONLY 1.08" x 0.71" x 0.29" AND HAS 2.92mm FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 30.0 to 40.0 GHz
- GAIN: 26dB NOMINAL
- GAIN FLATNESS: ± 2.0 dB MAXIMUM
- NOISE FIGURE: 7.0dB TYPICAL (BY DESIGN)
- OP1dB: +16dBm TYPICAL
- PSAT: +19dBm TYPICAL
- VSWR (IN/OUT): 2.3:1 TYPICAL
- INPUT RF POWER: +20dBm CW MAXIMUM
- CONNECTORS: 2.92mm (F) REMOVABLE
- DC SUPPLY: +12 TO +15VDC @ 250mA NOMINAL
- 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: -55°C TO + 85°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

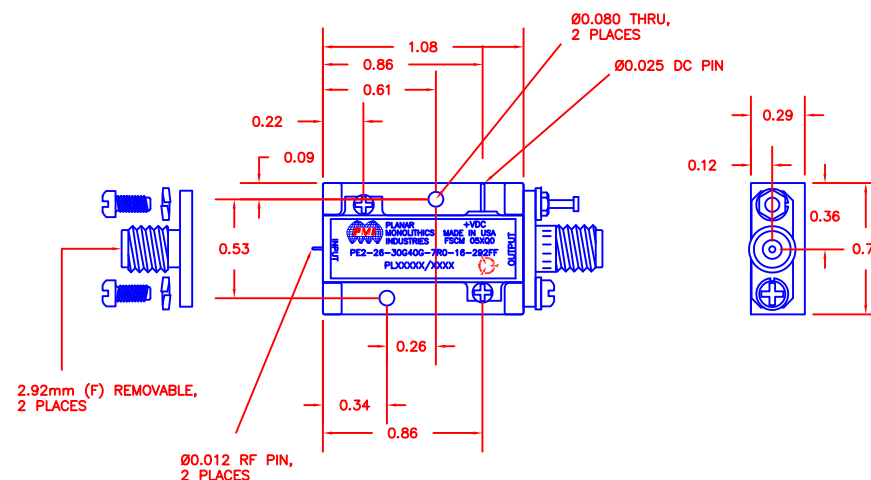
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

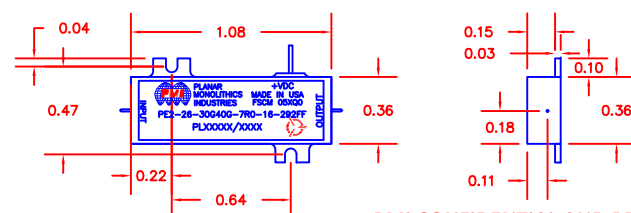
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	11/14/14

MECHANICAL OUTLINE

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN K. MASON		11/14/14	PRODUCT FEATURE PE2-26-30G40G-7R0-16-292FF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. —
ISSUED			SCALE N:S	SHEET 1 OF 1		