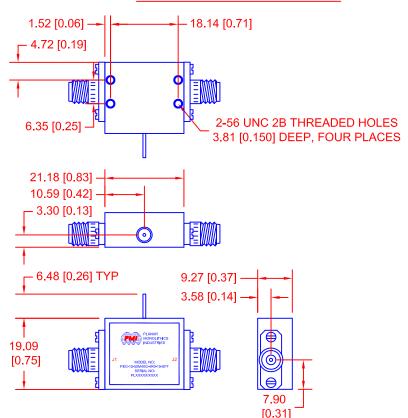
DESCRIPTION

PMI MODEL: PEC-12-50M40G-4R0-15-SFF IS AN AMPLIFIER OPERATING OVER THE 50 MHz TO 40 GHz FREQUENCY RANGE, THIS MODEL OFFERS 12 dB TYPICAL WHILE MAINTAINING A MAXIMUM FLATNESS OF ±2,5 dB AND A TYPICAL NOISE FIGURE OF 4,0 dB.

> **EPOXY POLIMIDE PRIMER IAW** MIL-P-23377, TYPE I, CLASS 1 OR 3,

REVISIONS ZONE DESCRIPTION APPROVED 06/03/16 **PRELIMINARY**

MECHANICAL OUTLINE



SPECIFICATIONS

FREQUENCY RANGE:	50 MH= TO 40 CH=
TILLOULINGT WANGE.	30 MHZ 10 40 GHZ
• GAIN:	+12 dB TYPICAL
• FLATNESS:	±2.5 dB MAXIMUM
NOISE FIGURE:	4.0 dB TYPICAL
P1dB COMPRESSION:	+15 dBm MINIMUM
• VSWR (IN/OUT):	2.5:1 MAXIMUM
• DC SUPPLY:	+15 V @ 250 mA MAXIMUM
CONNECTORS:	2.92 mm FEMALE
• SIZE:	21.18 mm x 19.09 mm x 9.27 mm
	0.83" x 0.75" x 0.37"
• FINISH:	BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER

ENVIRONMENTAL RATINGS

-65 °C TO +125 °C (STORAGE) • HUMIDITY: -----MIL-STD-202, METHOD 103B COND. B SHOCK: ----MIL-STD-202, METHOD 213B COND, B VIBRATION: -----MIL-STD-202, METHOD 204D COND, B ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B MIL-STD-202, METHOD 107D COND, A TEMPERATURE CYCLE: -----

ALL DIMENSIONS ARE IN mm [INCH] TOLERANCES: X.XX ± 0.508 [0.020] X.XXX ± 0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION