

DESCRIPTION

PMI MODEL PEC-37-9G10G-3R0-27-SFF OPERATES AT FREQUENCY RANGE OF 9.0-10.0 GHz.

SPECIFICATIONS

- FREQUENCY RANGE:..... 9 TO 10 GHz
- OP1dB:+27dBm MIN, +28dBm TYP.
- OUTPUT IP3:.....+31dBm TYP.
- NOMINAL GAIN @25°C BASE PLATE TEMPERATURE:.....34dB MIN, 37dB TYP, 40dB MAX
- GAIN FLATNESS:.....±0.35dB TYP, ±0.5dB MAX
- GAIN VARIATION OVER TEMPERATURE:.....±2dB TYP.
- NOISE FIGURE:.....2.5dB TYP, 3.0dB MAX.
- VSWR (INPUT/OUTPUT):.....1.7:1 TYP, 2.0:1 MAX.
- SPURIOUS:.....-60dBc MAX.
- DC VOLTAGE:.....+10V @ 300 mA MIN.
+12V @ 400 mA TYP.
+15V @ 700 mA MAX.
- CONNECTORS IN/OUT:SMA FEMALE CONNECTORS
- SIZE:.....1.5”(L) X 1.0”(W) X 0.4”(H)
- FINISH:.....GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

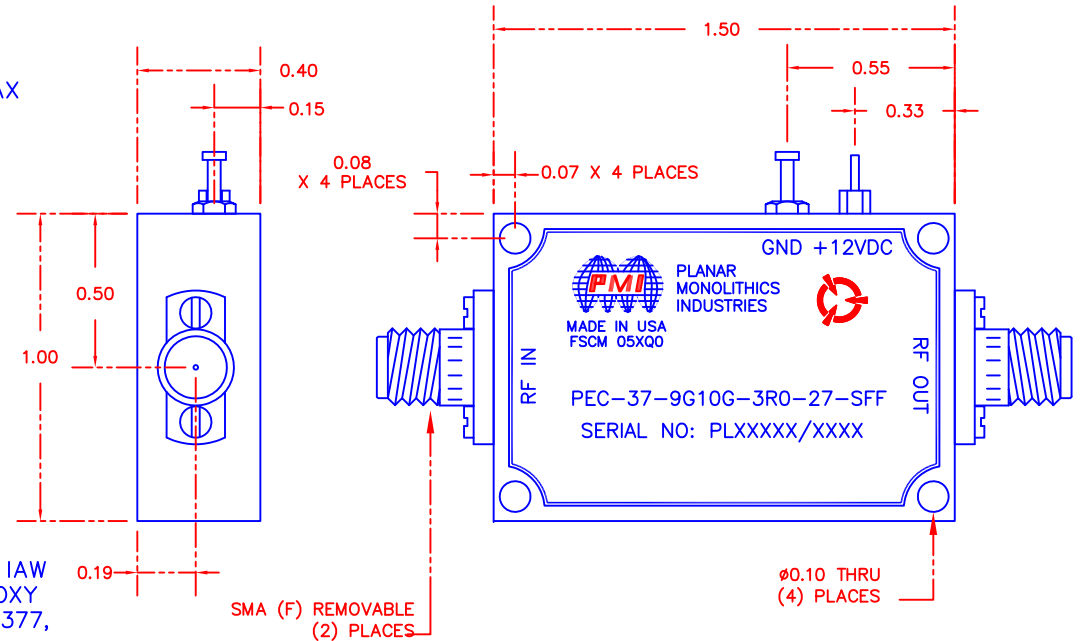
- TEMPERATURE:.....-20°C TO +65°C (OPERATING)
-45°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202F, METHOD 107

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	APPROVED
	A1	ORIGINAL RELEASE	12/12/12	
	A2	ECN # 14-0103	7/17/14	
	A3	ECN # 14-0161	9/25/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	ZIR	12/12/12	PRODUCT FEATURE PEC-37-9G10G-3R0-27-SFF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27018151
			SCALE	N: S	SHEET 1 OF 1

REV. A3