

DESCRIPTION:

PMI MODEL NUMBER: PEC-36-2G18G-4R5-27-15-SFF IS A 2.0 TO 18.0 GHZ MEDIUM POWER, LOW NOISE AMPLIFIER OFFERING 36dB GAIN AND A OP1dB OF +27dBm WITH A LOW NOISE FIGURE OF 4.5dB. THIS AMPLIFIER IS SUPPLIED IN A HOUSING MEASURING 1.0" X 0.63" X 0.25" WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS:

FREQUENCY:	2.0 TO 18.0 GHz
GAIN:	36dB TYPICAL
GAIN FLATNESS:	+/-1.5dB TYPICAL
NOISE FIGURE:	4.5dB TYPICAL, 5.0dB MAX.
OP1dB:	+26.5dBm MIN., +27.5dBm TYPICAL
VSWR INPUT/OUTPUT:	2.0:1 MAX.
IMPEDANCE:	50 OHMS
INPUT POWER:	+20dBm CW MAX.
DC VOLTAGE SUPPLY:	+15VDC
DC CURRENT DRAW:	850mA NOMINAL
CONNECTORS IN/OUT:	SMA FEMALE CONNECTORS
FINISH:	GOLD PLATED

FEATURES:

- INTERNAL VOLTAGE REGULATION
- REVERSE VOLTAGE PROTECTION
- UNCONDITIONAL STABILITY

AVAILABLE OPTIONS:

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

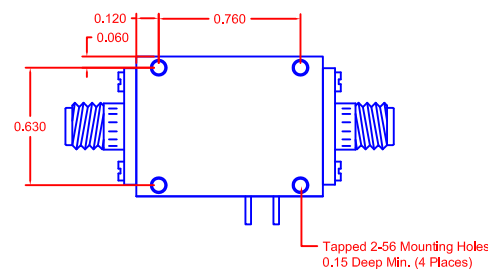
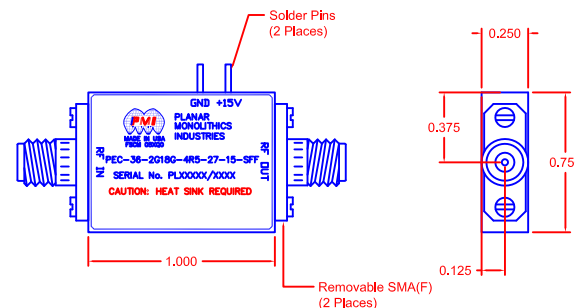
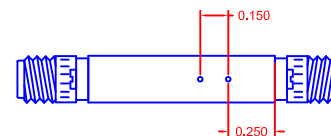
ENVIRONMENTAL RATINGS:

TEMPERATURE:	-55 TO +85 DEG. C (OPERATING)
	-65 TO +125 DEG. C (STORAGE)
HUMIDITY:	MIL-STD-202F, METHOD 103B COND. B
SHOCK:	MIL-STD-202F, METHOD 213B COND. C
ALTITUDE:	MIL-STD-202F, METHOD 105C COND. B
TEMPERATURE CYCLE	MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

NOTE: SPECIFICATIONS ARE VALID AT +25C.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/14/14	
	A1	ECN # 15-0022	02/27/15	



ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		11/14/14		PRODUCT FEATURE	
CHECKED				PEC-36-2G18G-4R5-27-15-SFF	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27024404	
SCALE		N: S		SHEET	
				1 OF 1	