

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:

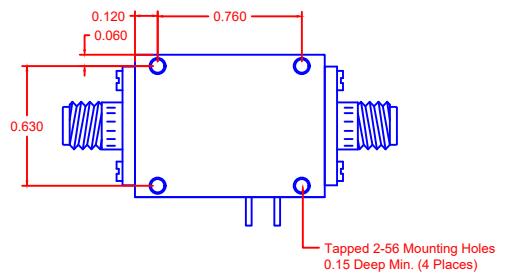
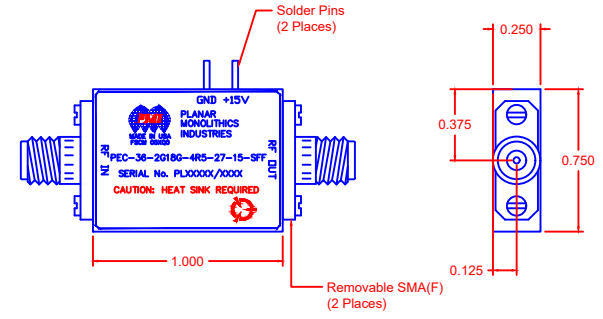
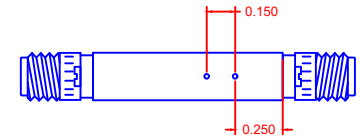
VARIOUS PACKAGE TYPES
 VARIOUS CONNECTOR TYPES
 HERMETIC SEALING
 GAIN AND PHASE MATCHING
 MIL-STD-883 SCREENING AVAILABLE

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
 VIBRATION: MIL-STD-202F, METHOD 204D COND. B
 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	
	A2	ECN # 20-0155	10/1/20	



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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>VR</i>		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
					REV. A2