

DESCRIPTION:

PMI MODEL NUMBER: PEC-14-2G18G-4-27-15-SFF IS A 2.0 TO 8.0 GHz MEDIUM POWER, LOW NOISE AMPLIFIER OFFERING 13 dB GAIN AND A OP1dB OF +27dBm WITH A LOW NOISE FIGURE OF 4 dB. THIS AMPLIFIER IS SUPPLIED IN A HOUSING MEASURING 1.0" X 0.63" X 0.25" WITH SMA MALE/FEMALE CONNECTORS.

SPECIFICATIONS:

FREQUENCY: _____ 2.0 TO 8.0 GHz
 GAIN: _____ 13 dB ±1.5 dB MAX
 GAIN FLATNESS: _____ ±0.75 dB MAX
 NOISE FIGURE: _____ 5.0 dB TYPICAL, 6.0 dB MAX. (2 TO 3 GHz)
 _____ 4.5 dB TYPICAL, 5.0 dB MAX. (3 TO 5 GHz)
 _____ 3.5 dB TYPICAL, 4.5 dB MAX. (5 TO 8 GHz)

OP1dB: _____ +26dBm MIN., +27.5dBm TYPICAL
 VSWR INPUT/OUTPUT: _____ 2.0:1 MAX.
 IMPEDANCE: _____ 50 OHMS
 INPUT POWER: _____ +27dBm CW MAX.
 DC VOLTAGE SUPPLY: _____ +11.3V FIXED*
 DC CURRENT DRAW: _____ Iq = 360 mA TYP
 CONNECTORS IN/OUT: _____ SMA MALE (IN) FEMALE (OUT) CONNECTORS
 FINISH: _____ GOLD PLATED

*NO INTERNAL VOLTAGE REGULATION OR REVERSE PROTECTION

FEATURES:

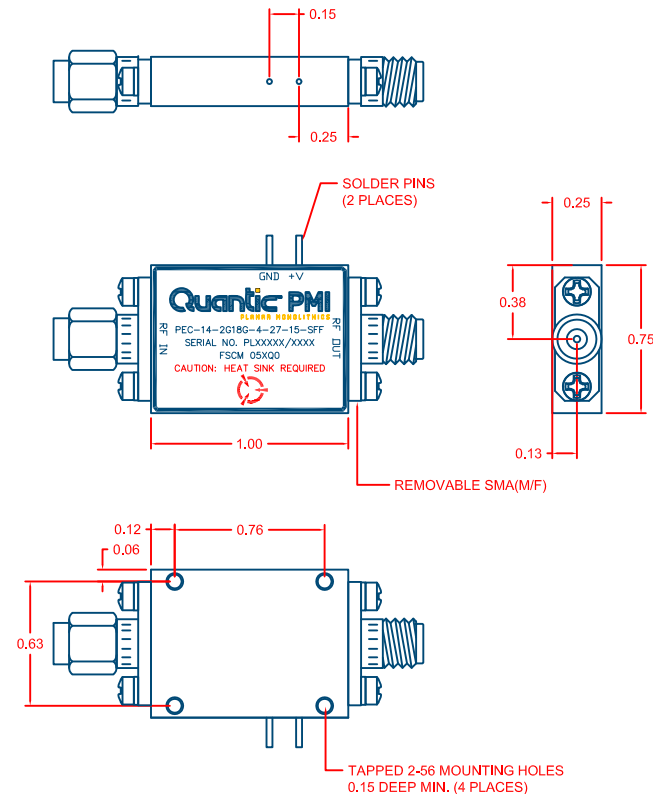
UNCONDITIONAL STABILITY

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
	A1	ORIGINAL RELEASE	3/28/23	



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>J. ESPANO</i>		3/28/23	OUTLINE PEC-14-2G18G-4-27-15-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27046180
ISSUED			SCALE N: S		REV. A1
				SHEET	1 OF 1