DESCRIPTION:

PMI MODEL NUMBER: PEC-36-0R518G-27-15-SFF IS A 0.5 TO 18.0 GHz MEDIUM POWER, LOW NOISE AMPLIFIER OFFERING 38dB GAIN MIN. AND A OP1dB OF +26.5dBm WITH A LOW NOISE FIGURE OF 5.0dB.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/6/26	

SPECIFICATIONS:

FREQUENCY:	0.5 TO 18.0 GHz
GAIN:	40dB TYPICAL 38dB MIN.
GAIN FLATNESS:	+/-2.5dB TYPICAL, +/- 3dB MAX
NOISE FIGURE:	4.5dB TYPICAL, 5.0dB MAX.
OP1dB:	+26.5dBm MIN., +27.5dBm TYPICAL
VSWR INPUT/OUTPUT:	2.0:1 MAX. (IN), 2.2:1 MAX. (OUT)
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
SEALING:	HERMETIC

FEATURES:

- INTERNAL VOLTAGE REGULATION
- REVERSE VOLTAGE PROTECTION
- UNCONDITIONAL STABILITY

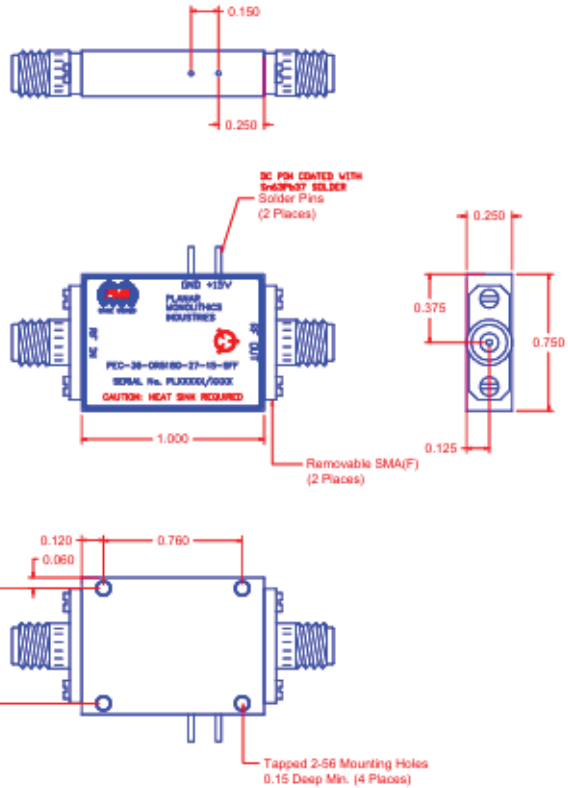
AVAILABLE OPTIONS:

- 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-202, METHOD 103 COND. B
SHOCK:	MIL-STD-202, METHOD 213 COND. C
VIBRATION:	MIL-STD-202, METHOD 204 COND. B
ALTITUDE:	MIL-STD-202, METHOD 105 COND. B
TEMPERATURE CYCLE	MIL-STD-202, METHOD 107 COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION
NOTE: SPECIFICATIONS ARE VALID AT +25C.



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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS	DATE
DRAWN: TG	8/6/26
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
PEC-36-0R518G-27-15-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27057020	A1

SCALE N: S | SHEET 1 OF 1