

Description:

PMI Model Number: PEC-4G8G-12-16V-SFF is a 4.0 GHz to 8.0 GHz amplifier that has a Noise Figure of 0.8 dB. This amplifier is supplied with SMA connectors in a housing that measures 1.5" x 1.0" x 0.4".

Specifications:

Frequency Range:	4.0 to 8.0 GHz
Gain Variation over Temp:	+/-1.5 Typical
Nominal Gain:	40.0 dB Typical, 43.0 dB Maximum
Psat at Output:	16.0 dBm Typical
Output IP3:	27.0 dBm Typical
Reverse Isolation:	55.0 dB Minimum
Spurious:	-70.0 dBc Maximum
Gain Flatness:	+/-1.2dB Typical, +/-1.5dB Maximum
Noise Figure:	0.8dB Typical, 0.95dB Maximum
P1dB Compression Point:	+12dBm Typical, +15dBm Minimum
VSWR Input/Output:	1.6:1 Typical, 2.0:1 Maximum
RF Input Power:	+5 dBm
DC Voltage:	+10V to +16V
DC Power Supply Current:	100mA Typical, 150mA Maximum
Connectors In/Out	SMA Female

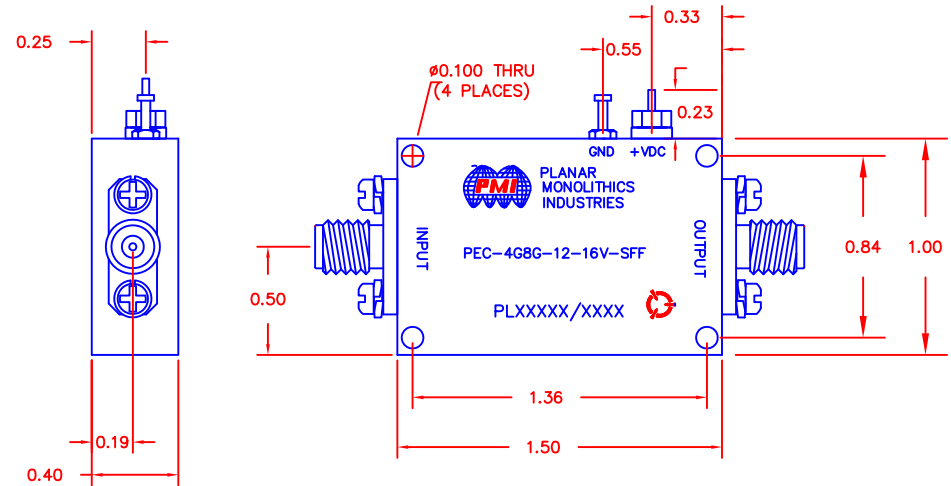
Environmental Ratings:

Temperature:	-40 to +85 Deg. C (Operating)
	-55 to +125 Deg. 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 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
	-	PRELIMINARY	12/2/22	
	1	OPERATING VOLTAGE	12/4/22	



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE	TITLE		
DRAWN <i>AF</i>		12/2/22	PRODUCT FEATURE PEC-4G8G-12-16V-SFF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N: S	SHEET 1 OF 1