

Description:

PMI Model Number: PEC-8G18G-12-16V-SFF is a 8.0 GHz to 18.0 GHz amplifier that has a Noise Figure of 2.0 dB. This amplifier is supplied with SMA connectors in a housing that measures 1.5" x 1.0" x 0.4".

Specifications:

Frequency Range:	8.0 to 18.0 GHz
Gain Variation over Temp:	+/-1.5 Typical
Nominal Gain:	35.0 dB Maximum
Psat at Output:	25.0 dBm Typical
Reverse Isolation:	50.0 dB Minimum
Spurious:	-70.0 dBc Maximum
Gain Flatness:	+/-1.25dB Typical, +/-1.5dB Maximum
Noise Figure:	2.0dB Typical, 2.5dB Maximum
P1dB Compression Point:	+20dBm Typical, +22dBm Minimum
VSWR Input/Output:	1.6:1 Typical, 2.0:1 Maximum
RF Input Power:	+10 dBm
DC Voltage:	+18V
DC Power Supply Voltage:	+12VDC Typical
DC Power Supply Current:	250mA Typical, 320mA Maximum
Connectors In/Out	SMA Female

Environmental Ratings:

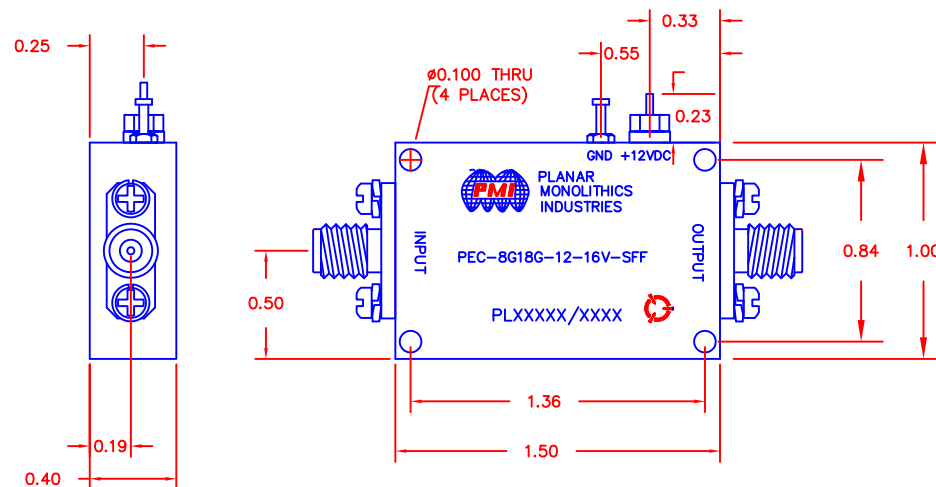
Temperature:	-40 to +85 Deg. C (Operating) -55 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

Note: Specifications are valid at +25C.

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	12/2/22	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		12/2/22		PRODUCT FEATURE			
CHECKED				PEC-8G18G-12-16V-SFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	—
				SCALE	N: S	SHEET	1 OF 1