

Description:

PMI Model Number: PE2-500M18G-5R0-21-12-SFF is a Low Noise Amplifier designed to operate over the frequency range 0.5GHz to 18.0GHz. This amplifier is supplied in our standard PE2 housing with SMA connectors. Electrical performance specifications as noted below.

Specifications:

Frequency Range:	0.5 to 18.0 GHz
Gain:	+24dB Min
Gain Flatness:	+/- 2.0dB Max
Noise Figure:	5.0dB Max
OP1dB:	+21dBm Typ. / +20dBm Min
VSWR Input/Output:	2.0:1 Max
Impedance:	50 Ohms
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	375mA Nominal
Connectors In/Out:	SMA Female
Housing:	PE2
Specification Temperature:	+23 Deg. C
Finish:	Gold Plated

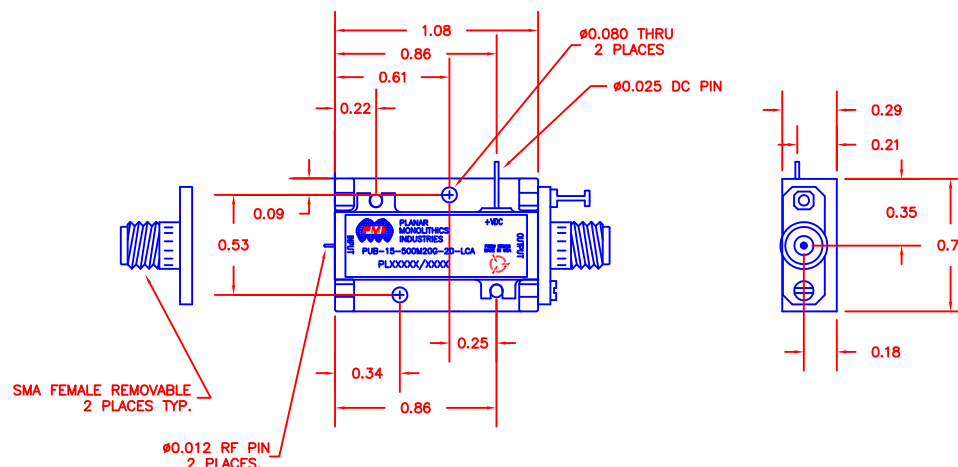
Environmental Ratings:

Temperature:	-40 to +75 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

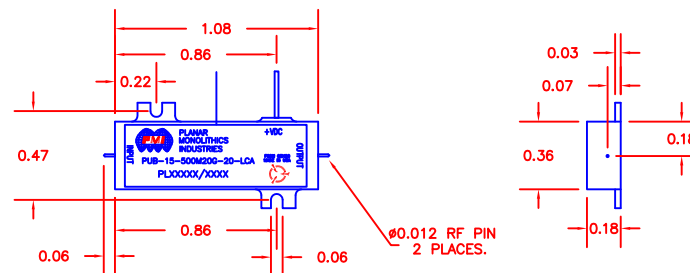
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	01/31/14	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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		01/31/14		PRODUCT FEATURE			
CHECKED				PE2-500M18G-5R0-21-12-SFF			
ISSUED				SIZE	FSCM NO.	OWG NO.	REV.
				A	05XQ0	27022302	1
				SCALE	N:S	SHEET	1 OF 1