

Description:

PMI MODEL NO. PE2-25-6R418-4R0-13LM-9-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE 6.4 TO 18.0GHZ FREQUENCY RANGE. THIS MODEL PROVIDES 26dB OF GAIN AND A SATURATED OUTPUT OF +13dBm TYPICALLY. THE MAXIMUM NOISE FIGURE IS 5.75dB AND OPERATED ON +9VDC WITH 250mA OF CURRENT DRAW.

Specifications:

Frequency Range:	6.4 to 18.0 GHz
Gain:	+26dB Typ.
Gain Flatness:	+/- 1.25dB Typ.
Noise Figure:	5.75dB Max.
Psat:	+13dBm Typ.
In-Band Harmonics:	-14dBc Typ.
VSWR Input/Output:	2.0:1 Max.
Maximum RF Input Power:	+20dBm CW
DC Voltage Supply:	+9VDC
DC Current Draw:	250mA Max.
Connectors In/Out	SMA Female
Finish	Gold Plated

NOTE: Data to be supplied with each unit is as follows.
Swept S21, S11 and S22
Swept Noise Figure
Tabular Saturated Output Power Measurements per the table shown below:

Saturated Output Power Measurements:						
Pin = -25dBm						
Frequency (GHz)	6.4	10.0	12.0	16.0	18.0	
Spec Range	-3.2 to -0.2	-2.8 to 0.2	-3.0 to 0	-2.0 to 1.0	-2.0 to 1.0	
Power (dBm)						
Pin = -5dBm						
Frequency (GHz)	6.4	10.0	12.0	16.0	18.0	
Spec Range	8.8 to 10.8	8.2 to 10.2	9.6 to 11.6	8.8 to 10.8	7.0 to 9.0	
Power (dBm)						
Pin = +4dBm						
Frequency (GHz)	6.4	10.0	12.0	16.0	18.0	
Spec Range	9.9 to 11.9	8.7 to 10.7	10.3 to 12.3	9.0 to 11.0	7.7 to 9.7	
Power (dBm)						

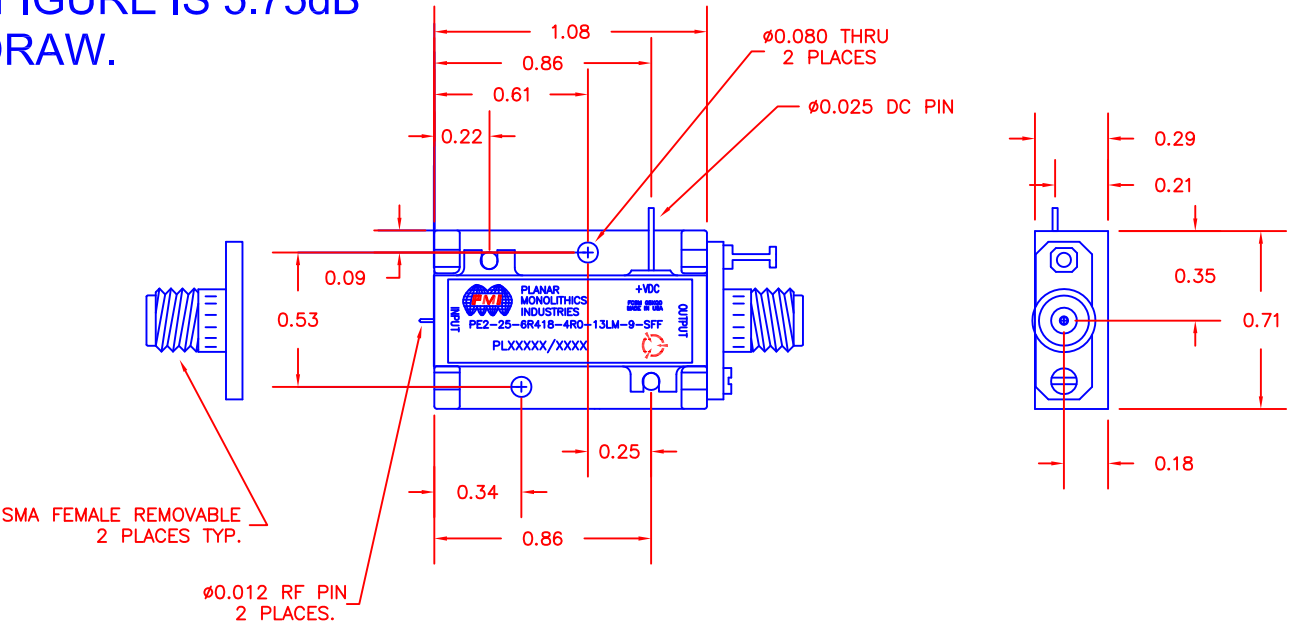
Environmental Ratings:

Temperature:	-20 to +70 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

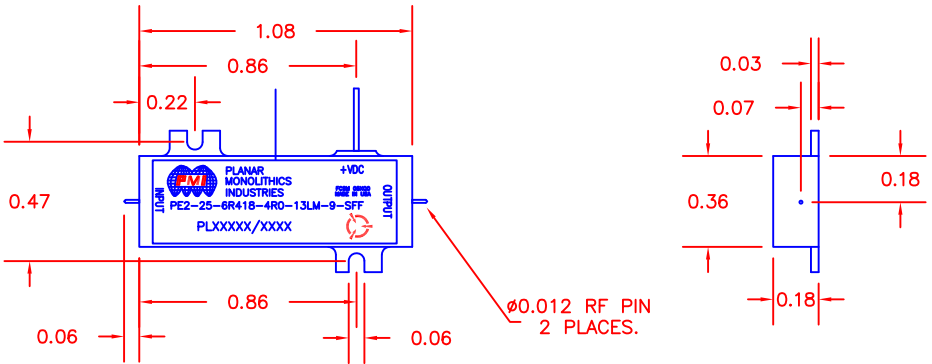
Note: The above specifications are subject to change or revision.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	7/1/14

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		7/1/14		PRODUCT FEATURE			
CHECKED				PE2-25-6R418-4R0-13LM-9-SFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	—
				SCALE	N:S	SHEET	1 OF 1