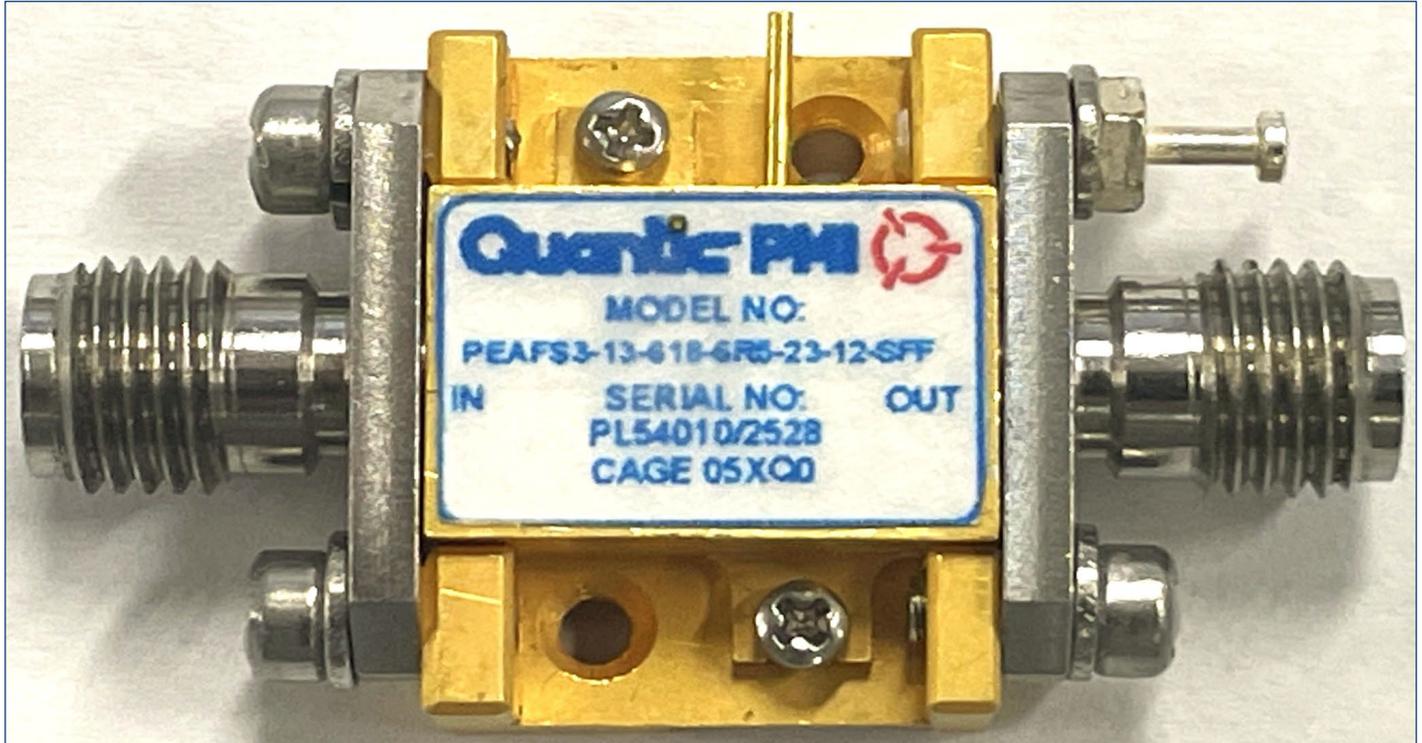


TYPICAL CHARACTERISTICS ON PEAFS3-13-618-6R5-23-12-SFF

PMI MODEL NUMBER PEAFS3-13-618-6R5-23-12-SFF IS A 6 TO 18 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PEAFS3 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.



Tested by: Eric K.
Reported by: Matt L
Date: 7/7/2025

TYPICAL CHARACTERISTICS ON PEAFS3-13-618-6R5-23-12-SFF

OUTLINE DRAWING

DESCRIPTION:

PMI MODEL NUMBER PEAFS3-13-618-6R5-23-12-SFF IS A 6 TO 18 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PEAFS3 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

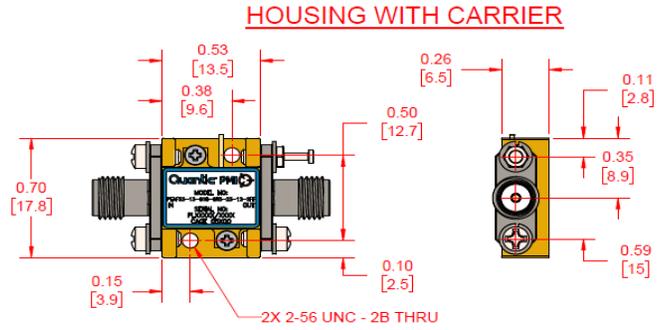
SPECIFICATIONS:

- FREQUENCY RANGE:..... 6 TO 18 GHz
- GAIN:..... 13 dB TYP
- GAIN FLATNESS:..... 1 dB MAX
- NOISE FIGURE:..... 4 dB TYP, 5 dB MAX
- OP1dB:..... 23 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 to +15 VDC
- DC CURRENT DRAW:..... 300 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

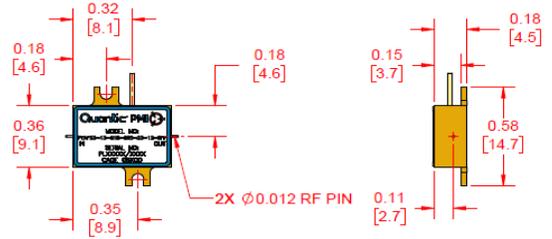
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
..... -40°C TO +100°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/20/08	



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

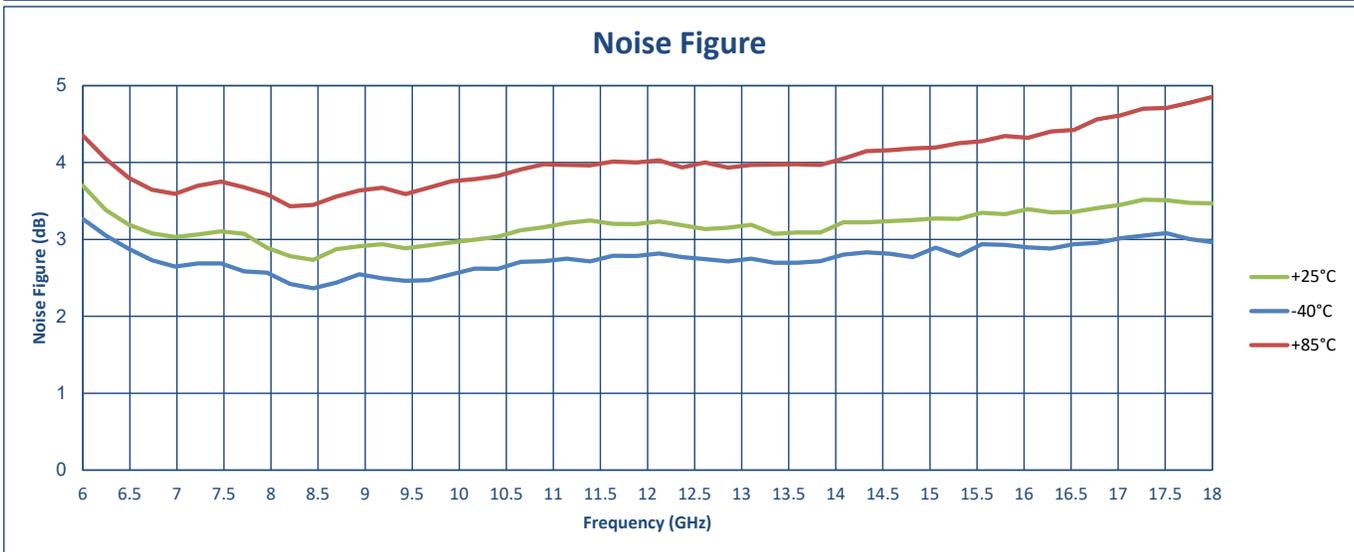
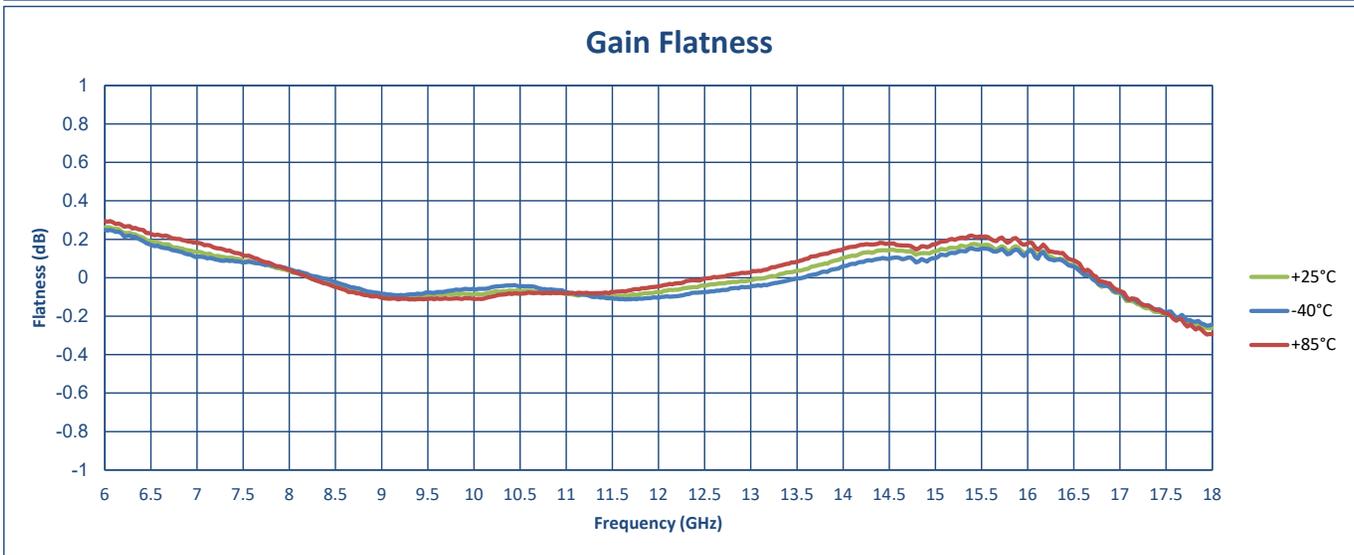
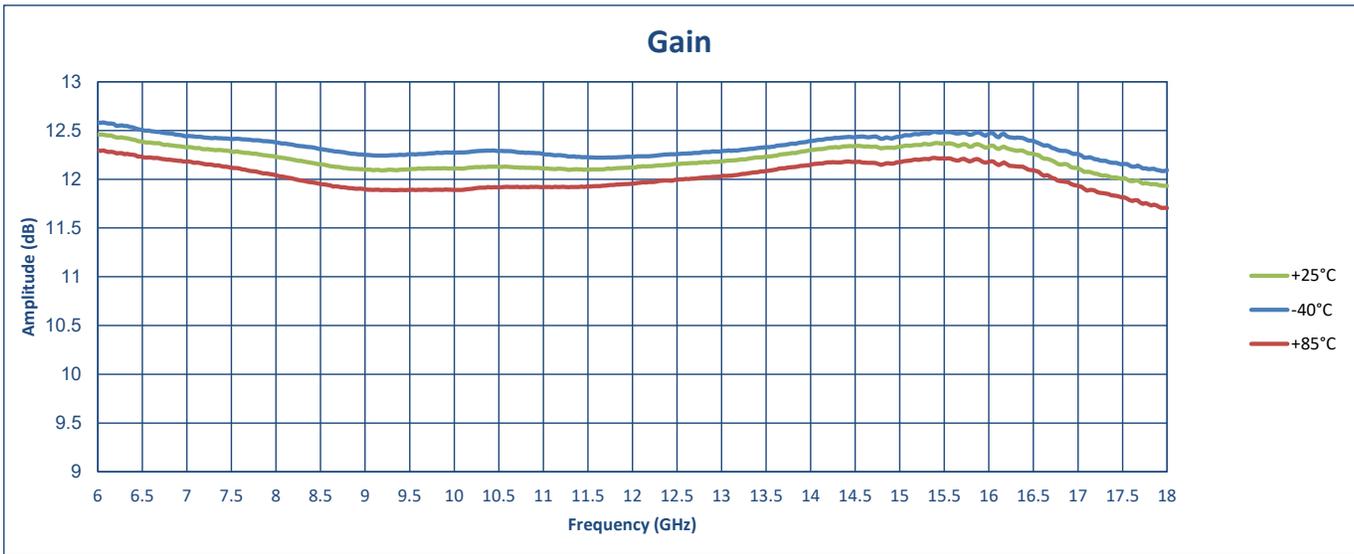
APPROVALS		DATE	TITLE	
DESIGNED	M. LAULIS	3/20/08	OUTLINE	
ISSUED			FORM NO.	PEAFS3-13-618-6R5-23-12-SFF
			SIZE	B 05XQ0
			DWG NO.	27050840
			REV	A1
			SCALE	2:1
				SHEET 1 OF 1

TYPICAL CHARACTERISTICS ON PEAFS3-13-618-6R5-23-12-SFF

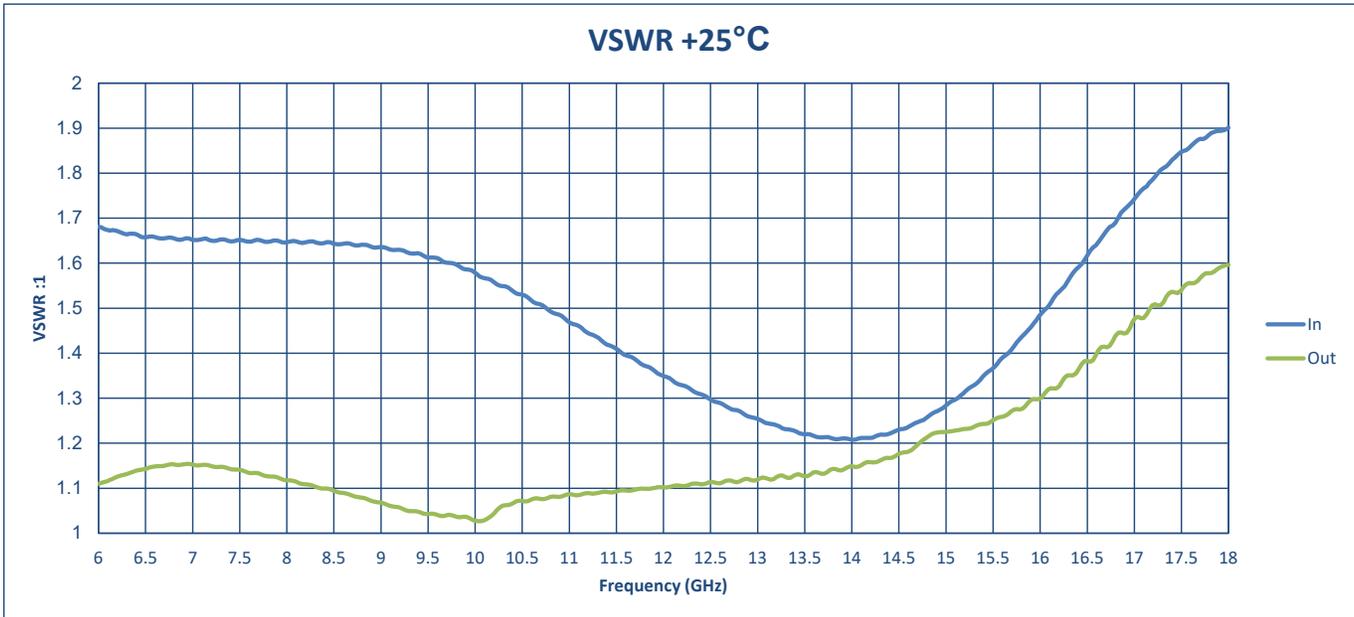
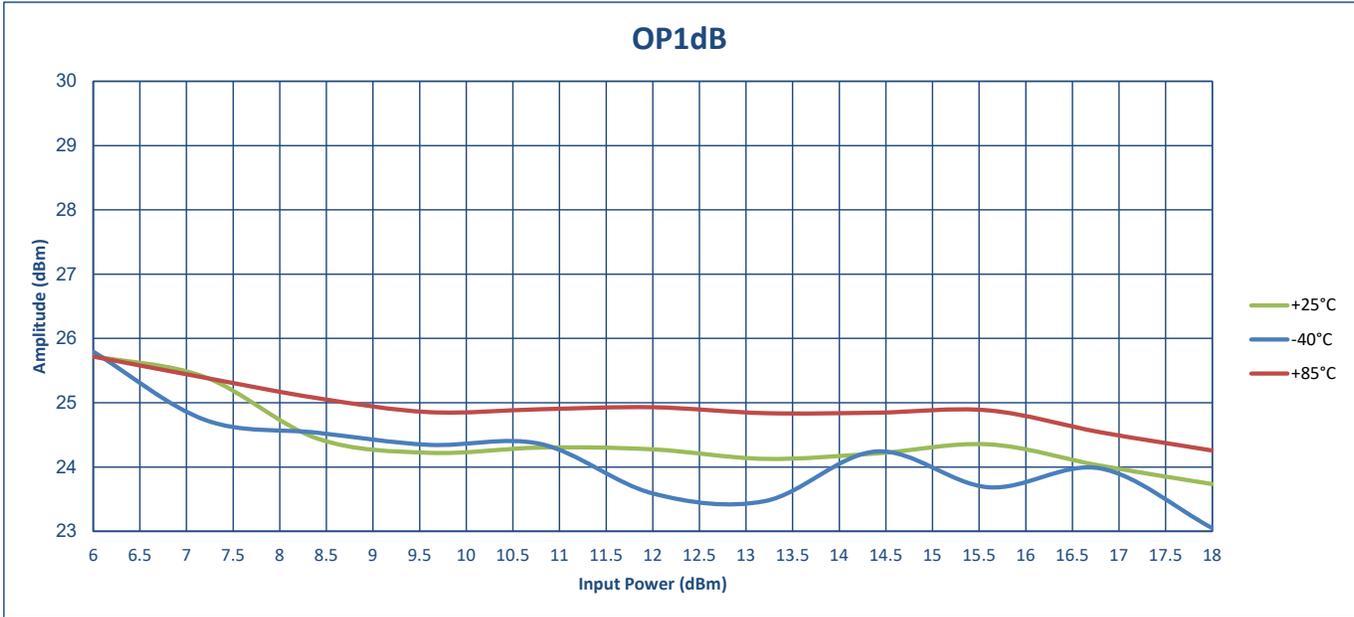
Technical Specifications

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results		
			+25°C	-40°C	+85°C
1	Frequency Range:	6 TO 18 GHz	6 TO 18 GHz		
2	Gain:	13 dB TYP	+12.5 dB Max. +11.9 dB Min. See Plot	+12.6 dB Max. +12.1 dB Min. See Plot	+12.3 dB Max. +11.7 dB Min. See Plot
3	Gain Flatness:	1 dB MAX	0.53 dB See Plot	0.5 dB See Plot	0.59 dB See Plot
4	Noise Figure:	4 dB TYP, 5 dB MAX	3.7 dB See Plot	3.27 dB See Plot	4.85 dB See Plot
5	OP1dB:	23 dBm MIN	+23.74 dBm See Plot	+23.05 dBm See Plot	+24.26 dBm See Plot
6	VSWR: (In/Out)	2:1 MAX	1.9:1 In 1.6:1 Out See Plot	1.96:1 In 1.61:1 Out See Plot	1.83:1 In 1.58:1 Out See Plot
7	DC Supply	12 to 15 VDC @ 300 mA MAX	197 mA	181 mA	207 mA

TYPICAL CHARACTERISTICS ON PEAFS3-13-618-6R5-23-12-SFF



TYPICAL CHARACTERISTICS ON PEAFS3-13-618-6R5-23-12-SFF



TYPICAL CHARACTERISTICS ON PEAFS3-13-618-6R5-23-12-SFF

