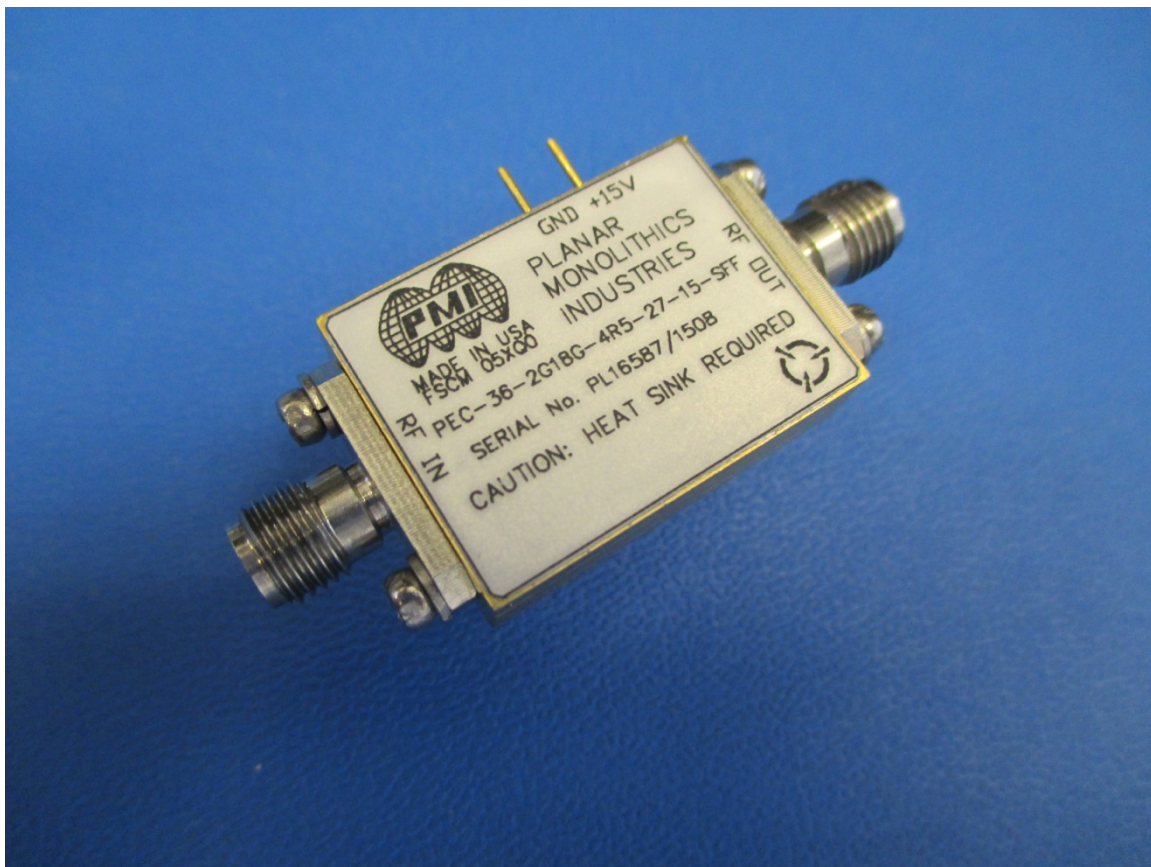


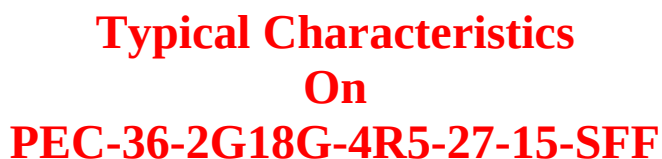


Typical Characteristics On PEC-36-2G18G-4R5-27-15-SFF

PMI Model No. PEC-36-2G18G-4R5-27-15-SFF is a 2.0 to 18.0 GHz medium power, low noise amplifier offering 36dB gain and an OP1dB of +27dBm with a low noise figure of 4.5dB This amplifier is supplied in a housing measuring 1.0" X 0.63" X 0.25" with SMA female connectors.



**February 23th, 2015
Designed By: Kevin Mason
Reported & Tested By:
Edwin Benson / Harold Holvick**



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Email: sales@pmi-rf.com



Typical Characteristics On PEC-36-2G18G-4R5-27-15-SFF

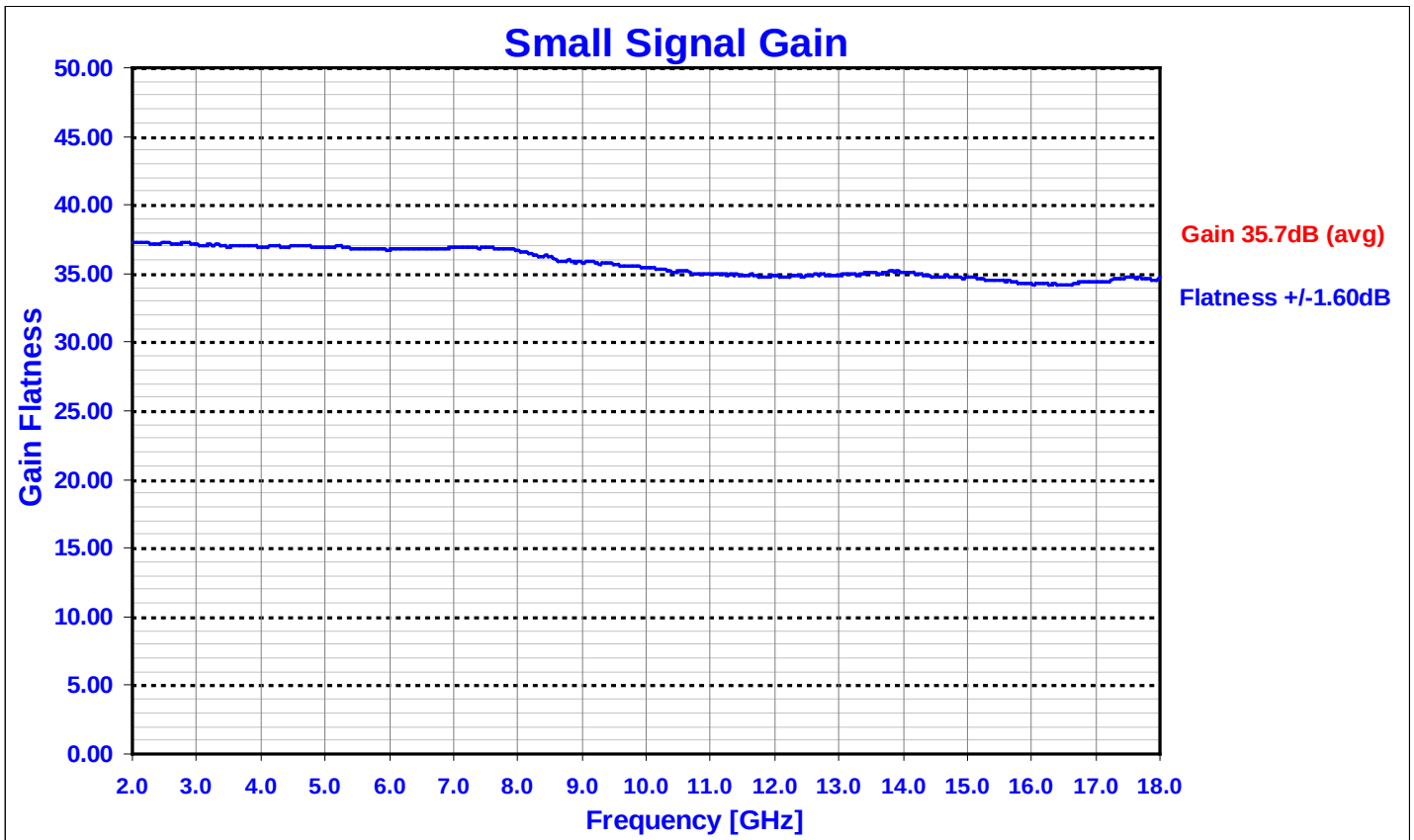
Test Data

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS
1	Frequency Range:	2.0 GHz to 18.0 GHz	2.0 GHz to 18.0 GHz See Plot
2	Gain:	36 dB Typical	35.70dB See Plot
3	Gain Flatness:	+/- 1.5 dB Typical	+/-1.60dB See Plot
4	Noise Figure:	4.5 dB Typical 5.0 dB Max	2.74dB 3.80dB See Plot
5	OP1dB:	+26.5 dBm Min. +27.5 dBm Typical	26.55dBm 27.07dBm See Plot
6	VSWR Input/Output:	2.0:1 Max	1.83:1 Input 1.99:1 Output See Plot
7	Impedance:	50 Ohms	Pass
8	Input Power:	+20 dBm CW Max.	Pass
9	DC Voltage Supply: DC Current Draw:	+15VDC @ 850 mA Nominal	+15VDC @ 685mA



Typical Characteristics On PEC-36-2G18G-4R5-27-15-SFF

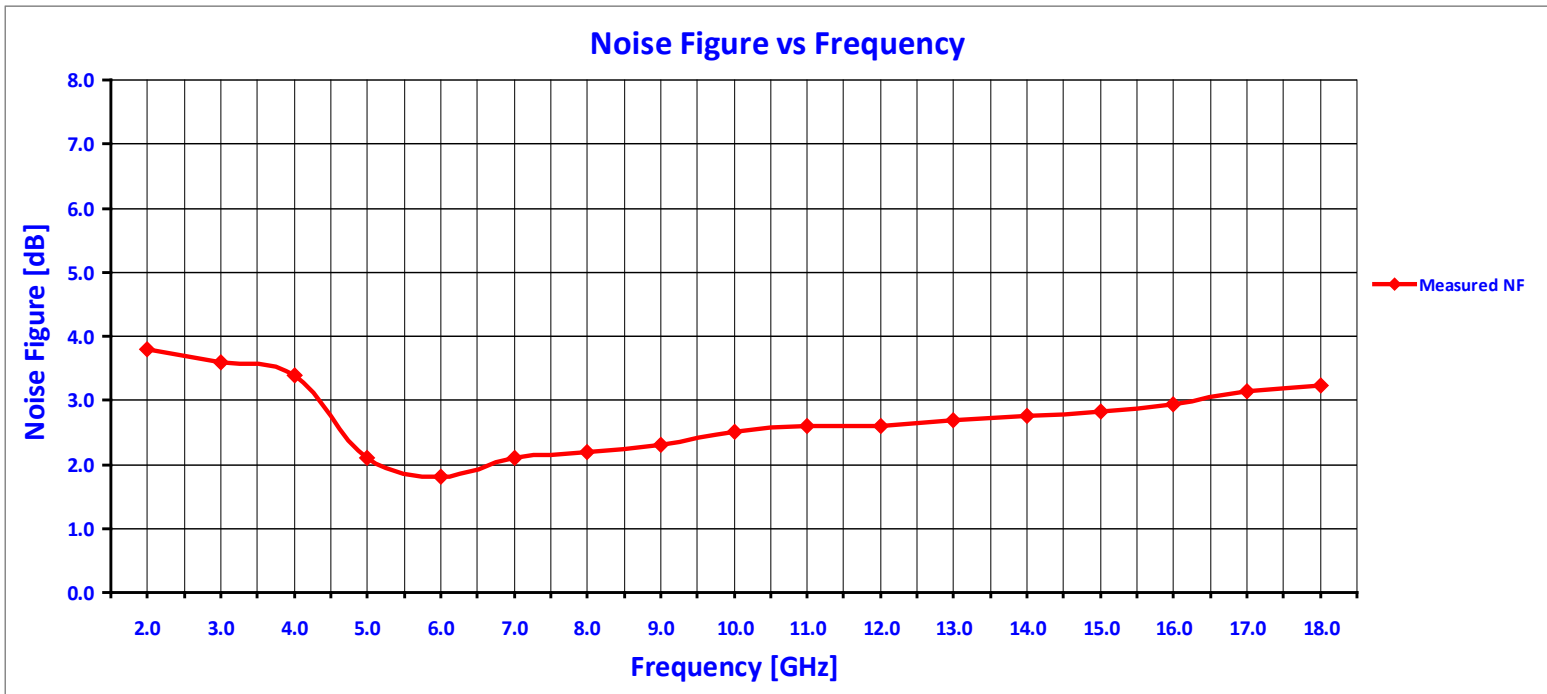
Small Signal Gain Characteristic @ +25C





Typical Characteristics On PEC-36-2G18G-4R5-27-15-SFF

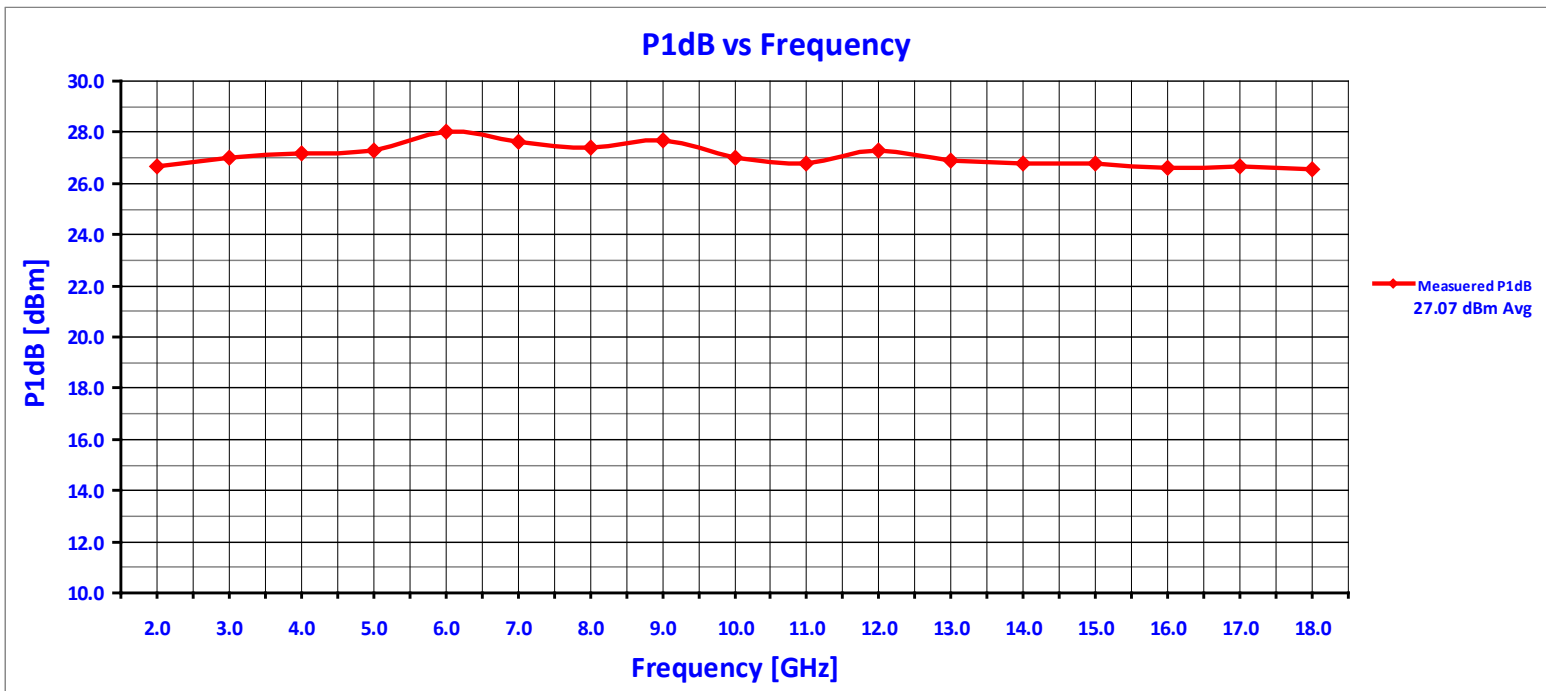
Typical Noise Figure @ +25C





Typical Characteristics On PEC-36-2G18G-4R5-27-15-SFF

Power Output at 1dB Gain Compression [P1dB] @ +25C





Typical Characteristics On PEC-36-2G18G-4R5-27-15-SFF

VSWR Characteristics @ +25C

