Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON PEC-30-10M20-SFF-ROHS

Customer:
SO No:
Model No: PEC-30-10M20-SFF-ROHS
Serial No: PL47256/2430

Tested By: A. Mousavi
Temperature: +25° C
Date: 7/30/2024
Drawing No: 27648520 REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	10 MHz to 20.0 GHz	10 MHz to 20.0 GHz	PMI QA2
2	Gain:	+26 dB Min. (10 MHz to 18 GHz) +28 dB Min. (18 GHz to 20 GHz)	+26.8 dB +28.6 dB See Plot	
3	Gain Flatness:	±2 dB Max. (10 MHz to 18 GHz) ±2.5 dB Typ., ±2.75 Max. (18 GHz to 20 GHz)	±1.35 dB ±0.26 dB See Plot	
4	Noise Figure:	4.5 dB Max. (20 MHz to 0.5 GHz) 3.5 dB Max. (0.5 GHz to 18 GHz) 4.0 dB Max. (18 GHz to 20 GHz)	2.5 dB 2.9 dB 3.8 dB See Plot	
5	OP1dB:	+13.5 dBm Min. (10 MHz to 18 GHz) +12 dBm Min. (18 GHz to 20 GHz)	+15.6 dBm +14.5 dBm See Plot	
6	Psat	+15 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 GHz to 20 GHz)	+17 dBm +16.1 dBm See Plot	
7	OIP3	+20 dBm Min. (10 MHz TO 20 GHz) @ 25°C +14 dBm Min. (10 MHz TO 20 GHz) @ -40°C and +85°C	See Plot	
8	VSWR Input	2:1 Max. (10 MHz to 18 GHz) 2.2:1 Max. (18 GHz to 20 GHz)	1.97:1 1.98:1 See Plot	
9	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 GHz to 20 GHz)	1.95:1 1.7:1 See Plot	
10	DC Supply:	+12 to +15 VDC @ 170 mA Max.	140 mA	PMI QA2

QA/QC Approval: PMI QA2 Date: 7/30/2024

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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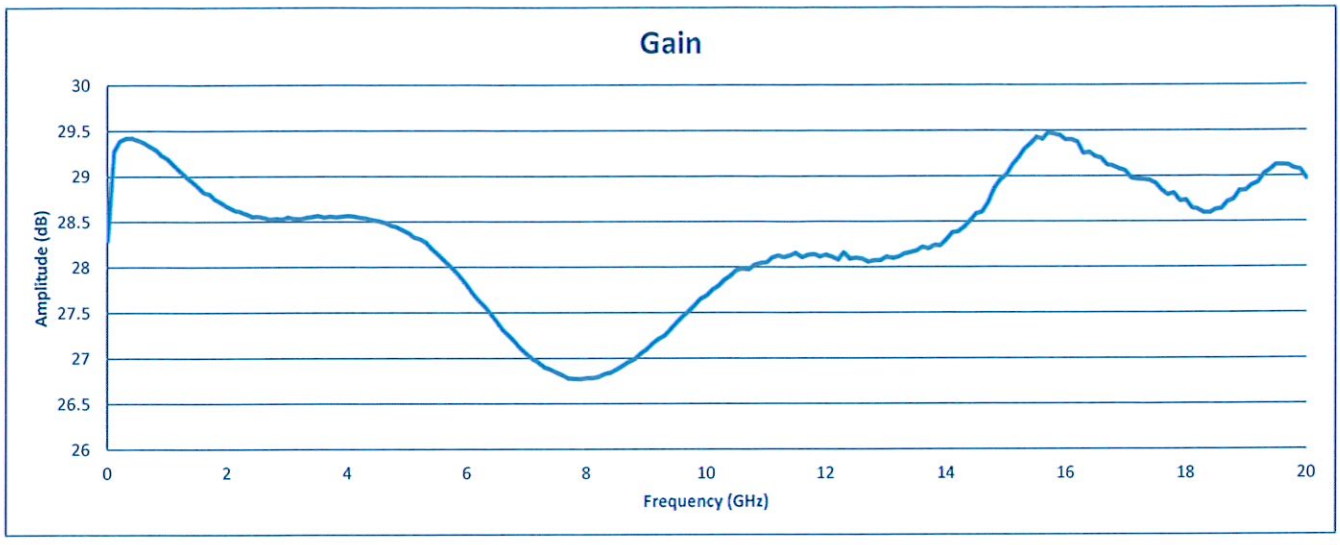

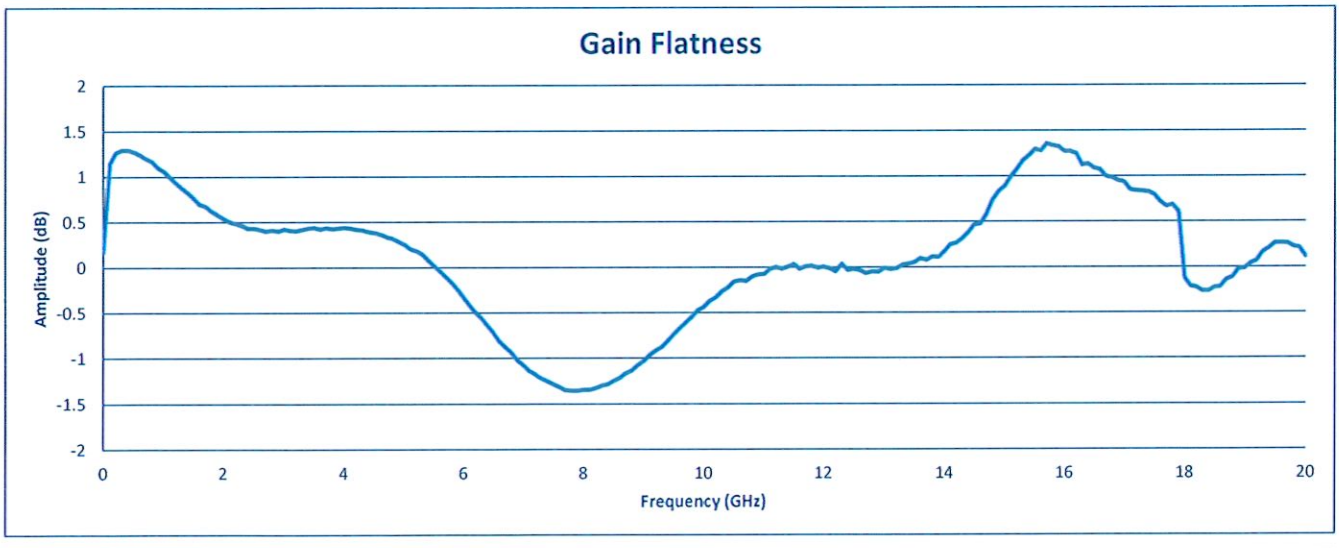

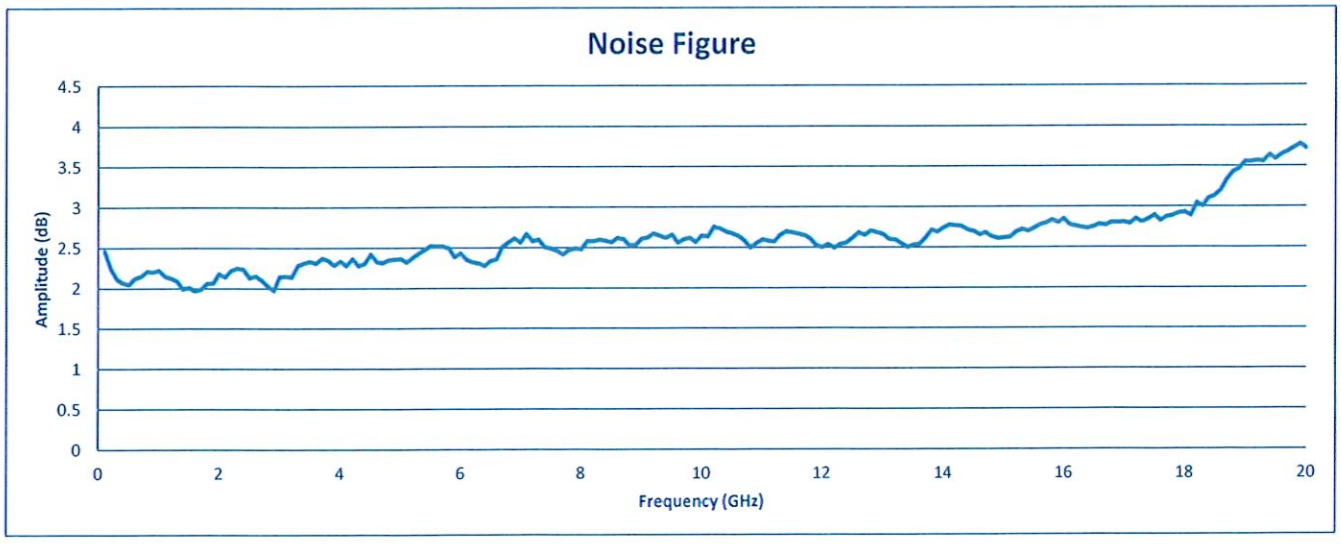

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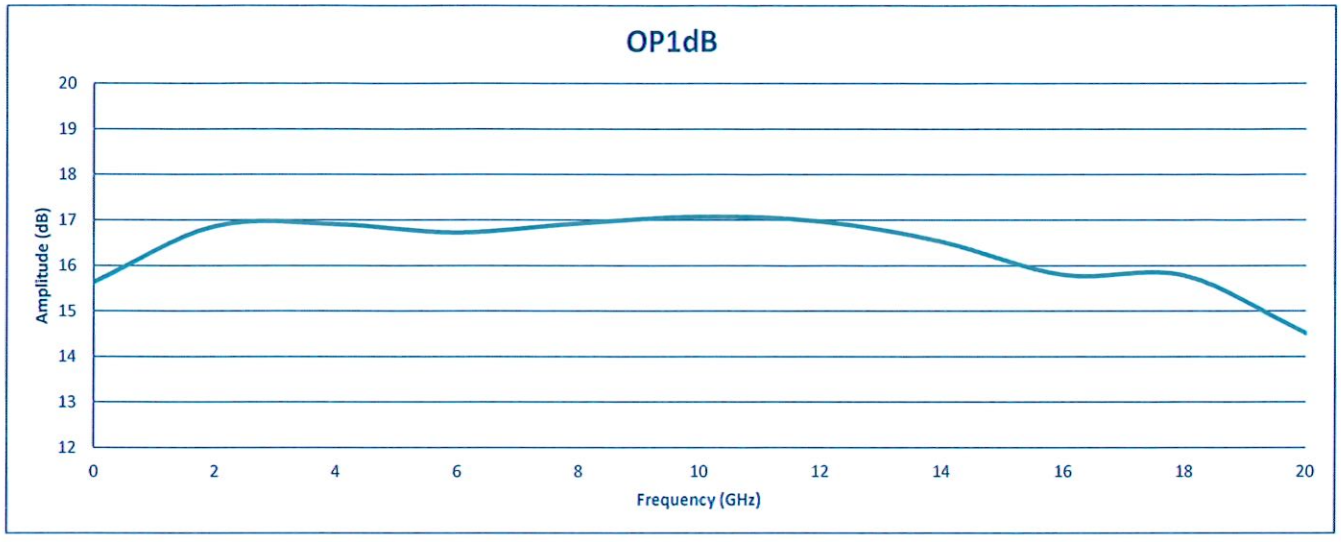

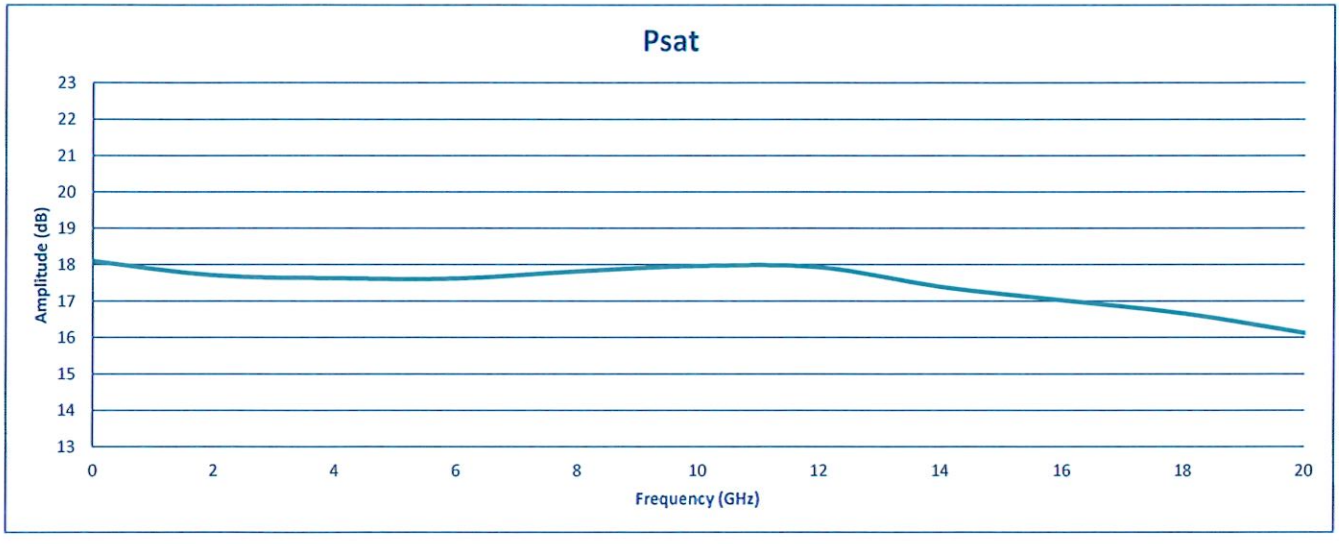

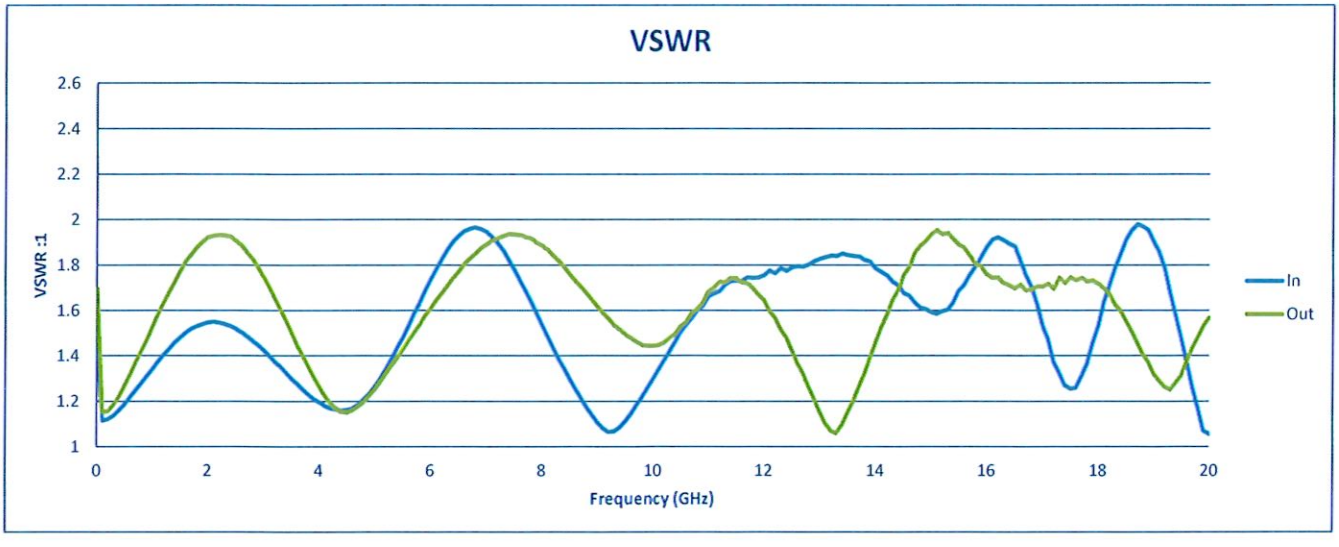

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