Quantic PMI
PLANAR MONOLITHICS

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

Customer: [redacted]
SO No: [redacted]
Model No: PEC-30-10M20-SFF
Serial No: PL40061/2313

Tested By: K. Mansfield
Temperature: +25° C
Date: 3/29/2023
Drawing No: 27633840 **REV:** A2

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 Typ. (10 MHz to 18 GHz) 28 dB Typ. (18 to 20 GHz)	**+27 dB Min.** **+27.9 dB Min.** **See Plot**	
3	Gain Flatness:	±2.0 dB Typ. (10 MHz to 18 GHz) '±2.5 dB Typ. (18 to 20 GHz)	**±1.24 dB** **±0.51 dB** **See Plot**	
4	Noise Figure:	3.0 dB Typ. (20 MHz to 0.5 GHz) 2.5 dB Typ. (0.5 MHz to 18 GHz) 3.3 dB Typ. (18 to 20 GHz)	**4.1 dB** **2.8 dB** **3 dB** **See Plot**	
5	OP1dB:	+14 dBm Typ. (10 MHz to 18 GHz) +13 dBm Typ. (18 to 20 GHz)	**+15.2 dBm** **+16.4 dBm** **See Plot**	
6	Psat	+13 dBm Min.	**+16.7 dBm** **See Plot**	
7	VSWR Input	2.0:1 Max. (10 MHz to 18 GHz) 2.2:1 Typ. (18 to 20 GHz)	**1.95:1** **1.85:1** **See Plot**	
8	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Typ. (18 to 20 GHz)	**1.96:1** **2.35:1** **See Plot**	
9	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	**145 mA**	PMI QA2

QA/QC Approval: [signature] PMI QA2 **Date:** 3/31/2023

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Email: sales@pmi-rf.com

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ON
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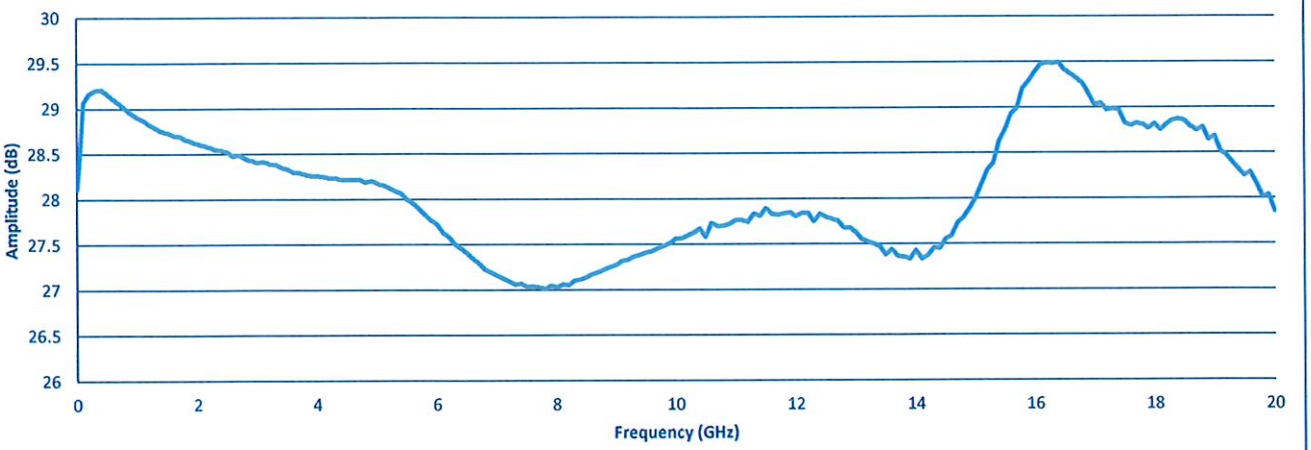
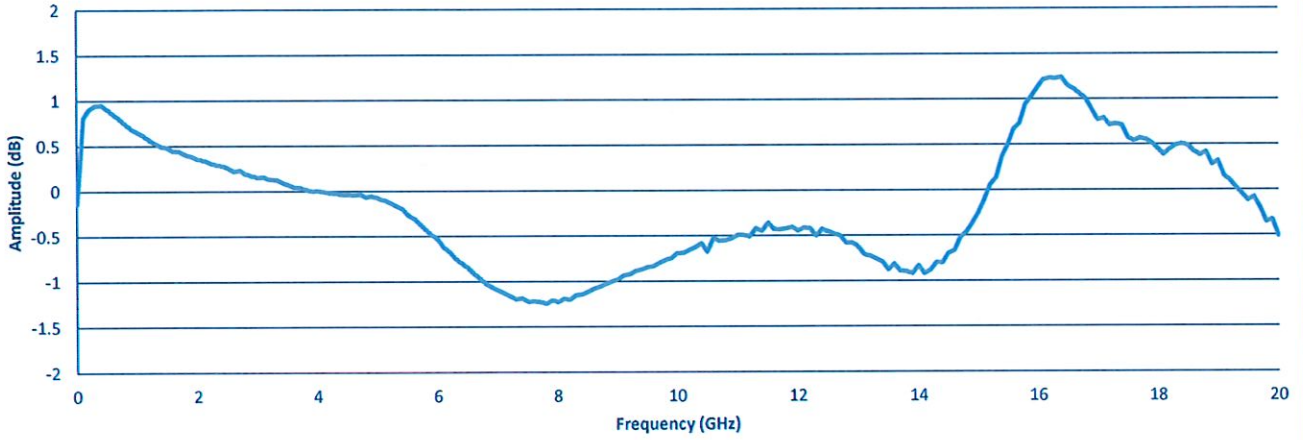
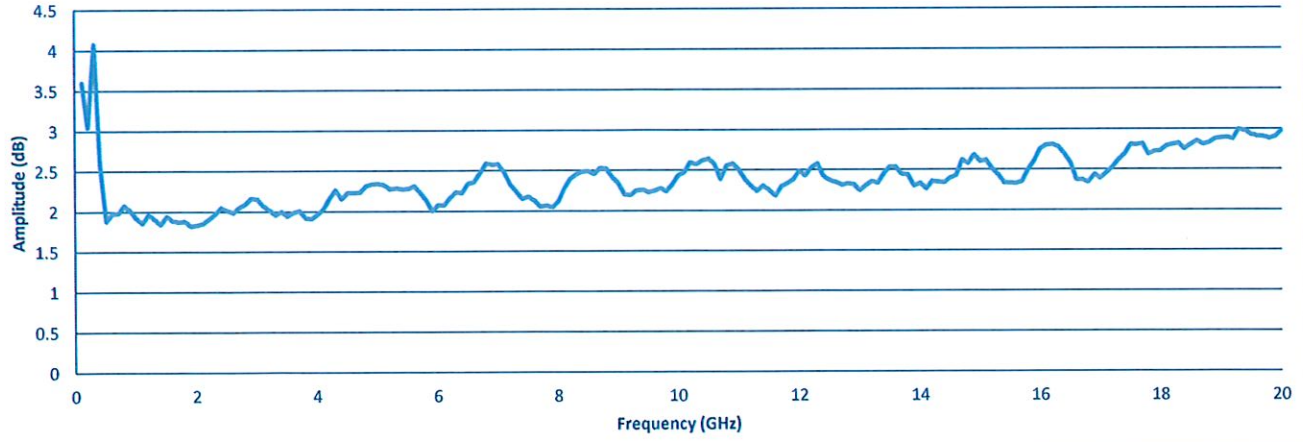
Gain



Gain Flatness



Noise Figure



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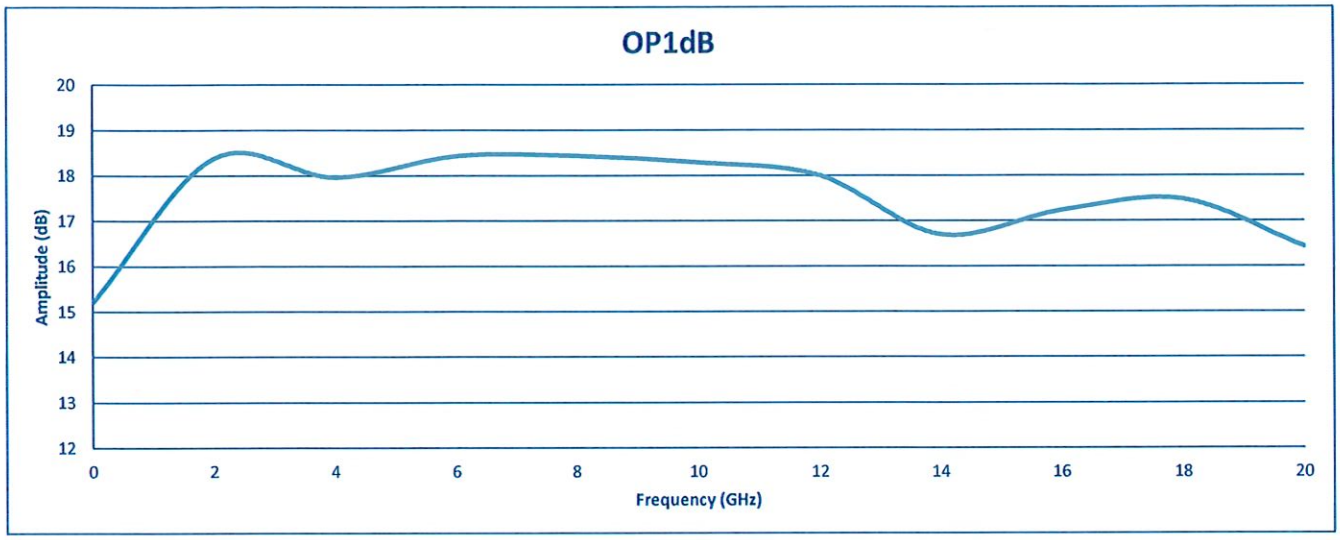

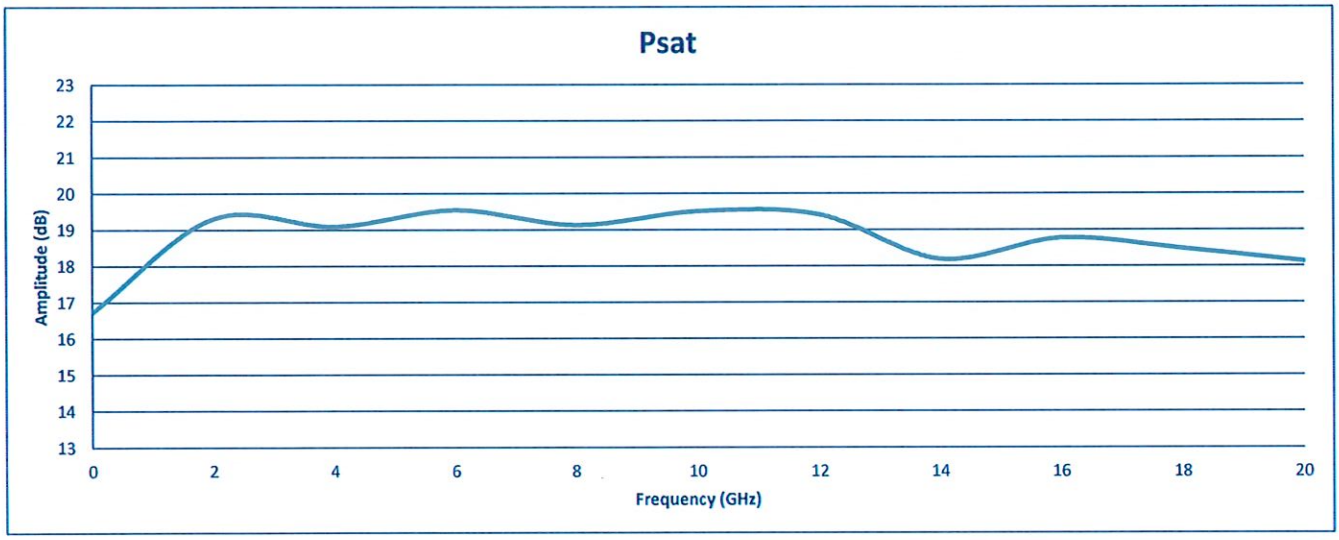

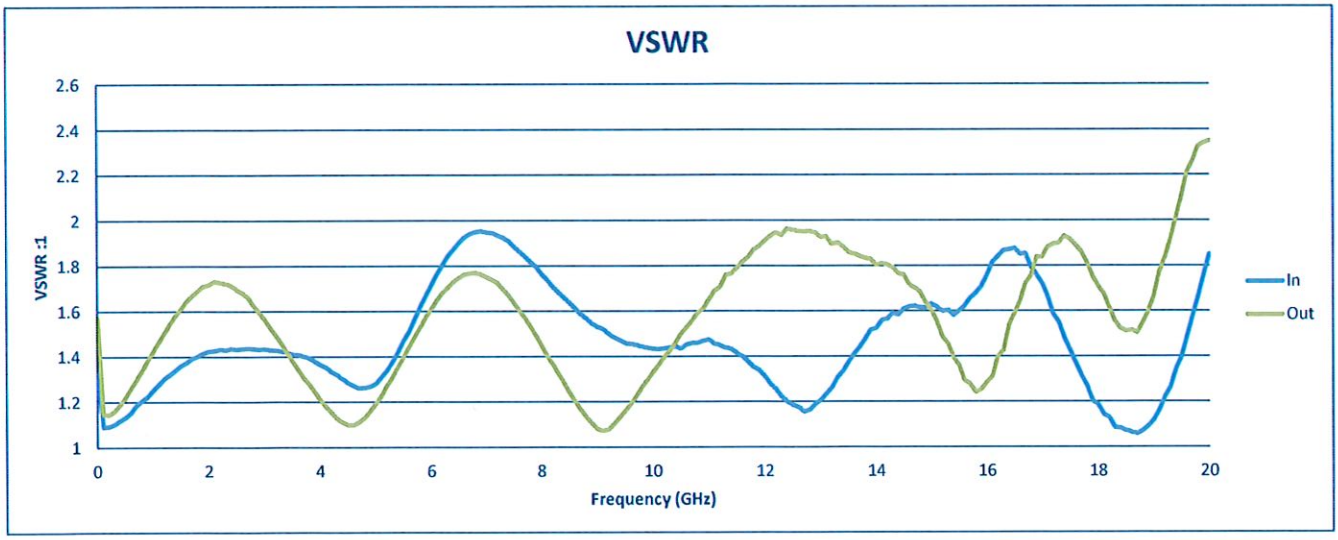

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