Quantic™ PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON PLNA-30-10M20-SFF-DCSMA

Customer:
SO No:
Model No: PLNA-30-10M20-SFF-DCSMA
Serial No: PL44292/2406

Tested By: E. Kretz
Temperature: +25° C
Date: 2/6/2023
Drawing No: 27633840 REV: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	0.01 to 20.0 GHz	0.01 to 20.0 GHz	PMI QA4
2	Gain:	26 dB Min (10 MHz to 18 GHz) 28 dB Min (18 to 20 GHz)	+27.24 dB Min. +28.71 dB Min. See Plot	
3	Gain Flatness:	±2 dB MAX. (10 MHz to 20 GHz)	±1.15 dB See Plot	
4	Noise Figure:	3.5 dB MAX (0.1 GHz to 0.5 GHz) 3.5 dB MAX (0.5 GHz to 18 GHz) 4.0 dB MAX (18 to 20 GHz)	Pass See Typical Characteristics	
5	OP1dB:	14 dB MIN. (10 MHz to 18 GHz) 13 dB MIN (18 to 20 GHz)	+15.6 dBm (10 MHz to 18 GHz) +15.6 dBm (18 to 20 GHz)	
6	VSWR Input	2.0:1 MAX. (10 MHz to 18 GHz) 2.2:1 MAX (18 to 20 GHz)	2:1 (10 MHz to 18 GHz) 2.1:1 (18 to 20 GHz) See Plot	
7	VSWR Output:	2.1:1 MAX. (10 MHz to 18 GHz) 2.4:1 MAX (18 to 20 GHz)	2:1 (10 MHz to 18 GHz) 1.8:1 (18 to 20 GHz) See Plot	
8	DC Supply:	+5 @ VDC 150 mA MAX.	+5 @ VDC @ 128 mA	PMI QA4

QA/QC Approval: Cameron Kelly PMI QA4 Date: 2/7/24

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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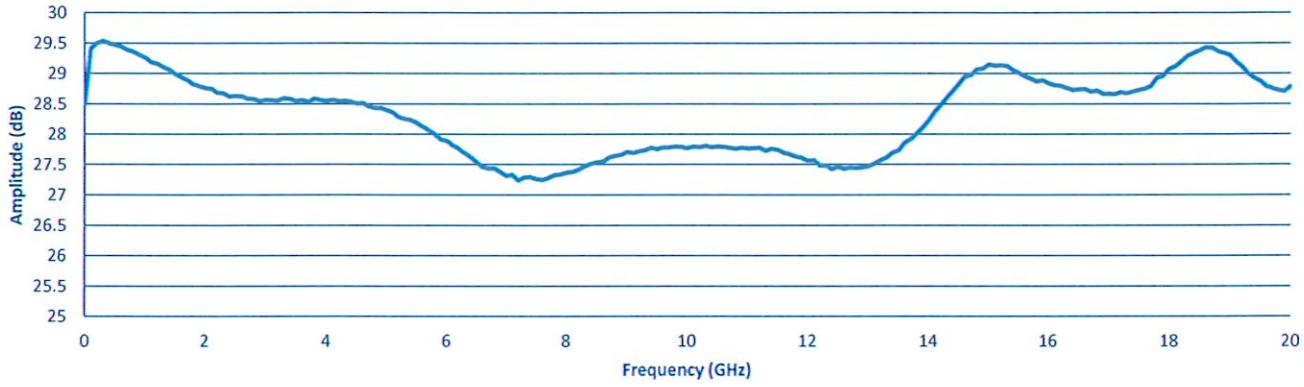
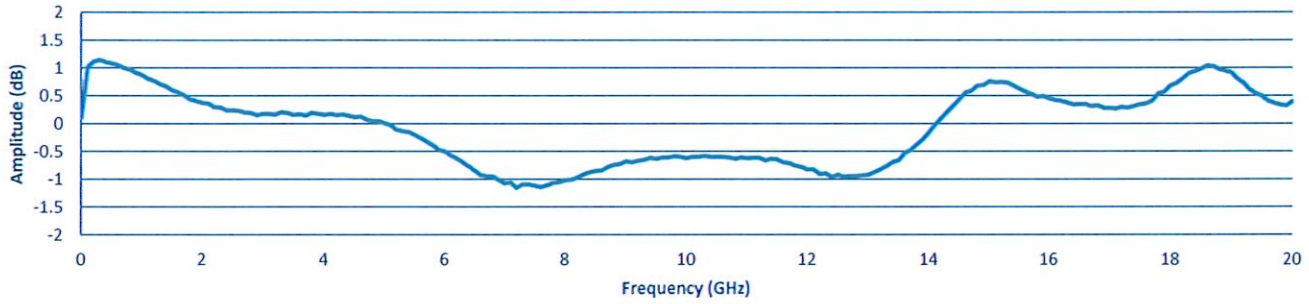
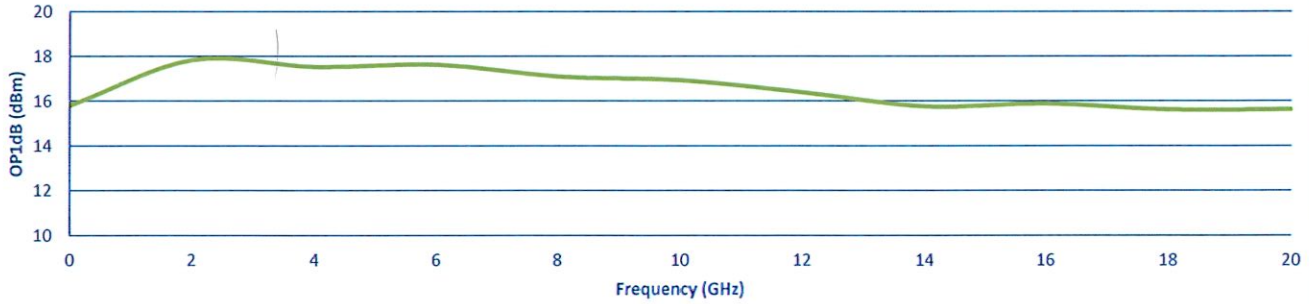
Gain



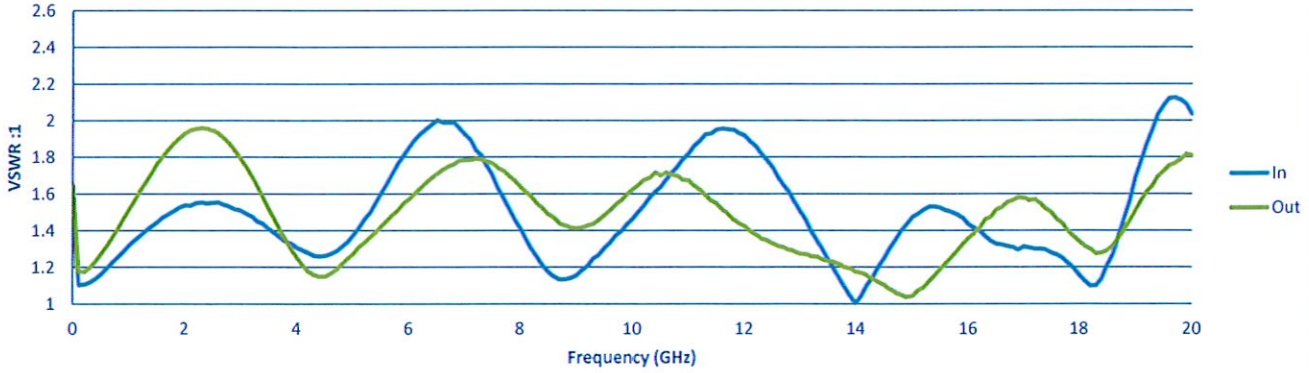
Gain Flatness



OP1dB



VSWR



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