Quantic PMI
PLANAR MONOLITHICS

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

Customer:
SO No:
Model No: PEC-30-10M20-SFF
Serial No: PL38649/2248

Tested By: E. Kretz
Temperature: +25° C
Date: 12/5/2022
Drawing No: 27633840 **REV:** B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	0.10 to 20.0 GHz	**0.10 to 20.0 GHz**	
2	Gain:	26 dB Min (10 MHz to 18 GHz) 28 dB Min (18 to 20 GHz)	**+26.21 dB Min.** **+29.71 dB Min.** **See Plot**	
3	Gain Flatness:	±2 dB Max. (10 MHz to 18 GHz) '±2.75 dB Max. (18 to 20 GHz)	**±1.79 dB** **±1.91 dB** **See Plot**	
4	Noise Figure:	4.5 dB MAX (20 MHz to 0.5 GHz) 3.0 dB MAX (0.5 MHz to 18 GHz) 4.0 dB MAX (18 to 20 GHz)	**Pass** **See Typical Characteristics**	
5	OP1dB:	13.5 dB Min. (10 MHz to 18 GHz) 12 dB Min (18 to 20 GHz)	**+14.1 dBm (10 MHz to 18 GHz)** **+13.5 dBm (18 to 20 GHz)**	
6	VSWR Input	2:1 Max. (10 MHz to 18 GHz) 2.4:1 Max (18 to 20 GHz)	**2:1 (10 MHz to 18 GHz)** **1.4:1 (18 to 20 GHz)** **See Plot**	
7	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.6:1 Max (18 to 20 GHz)	**2:1 (10 MHz to 18 GHz)** **2:1 (18 to 20 GHz)** **See Plot**	
8	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	**+12 to +15 VDC @ 154 mA**	

QA/QC Approval: _____ **Date:** _____

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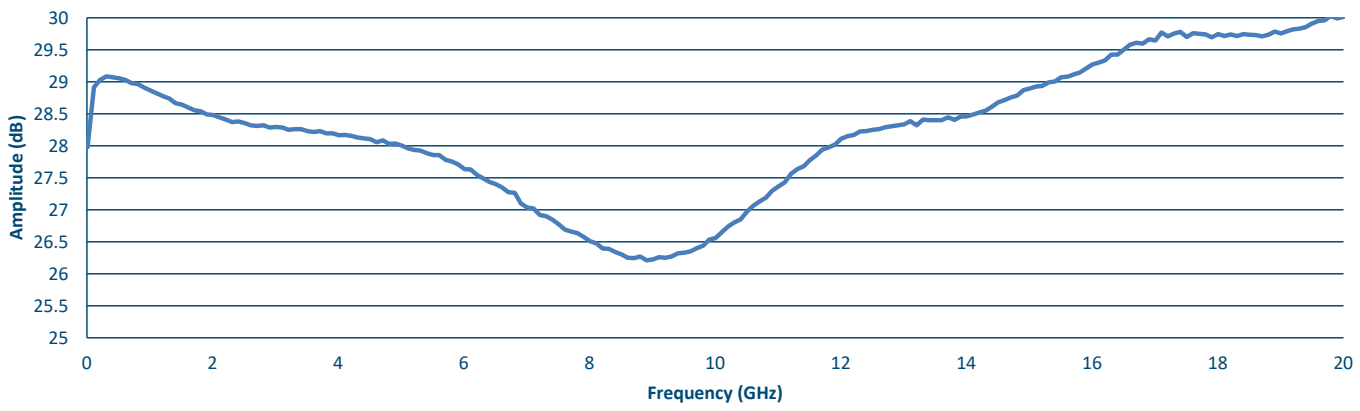
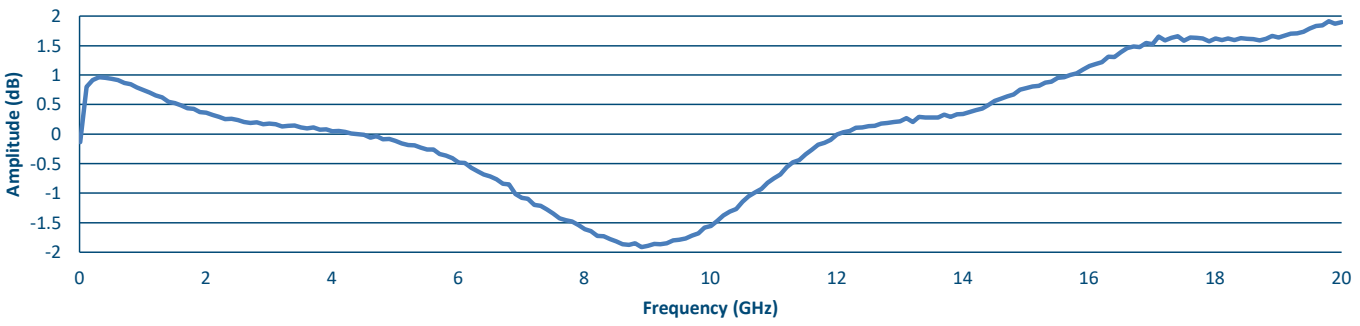
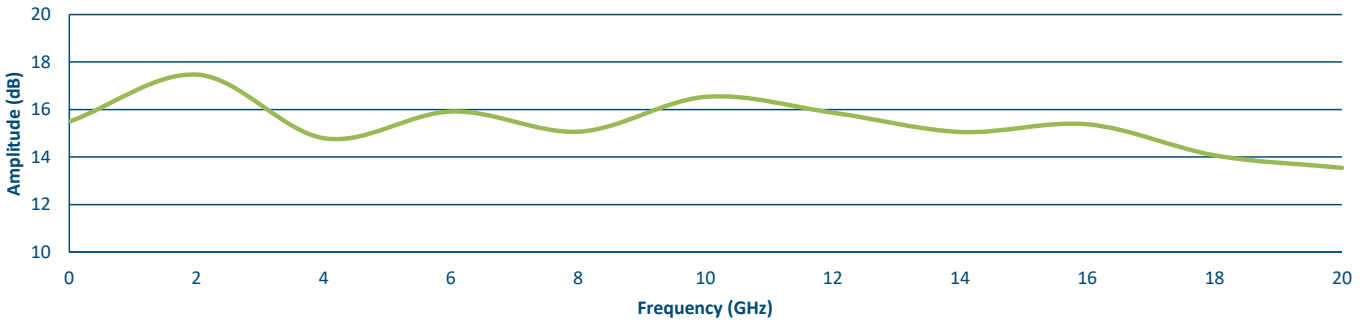
Gain



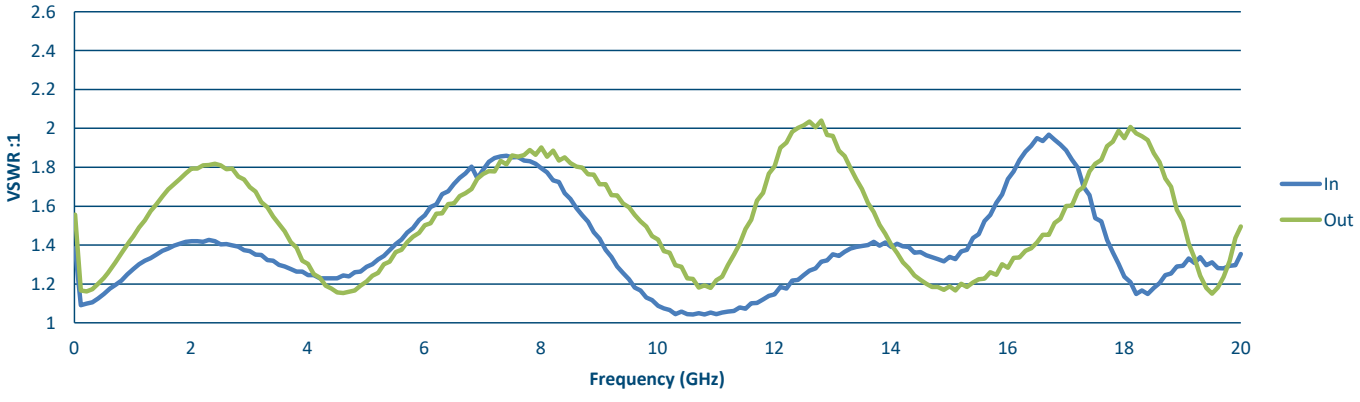
Gain Flatness



OP1dB



VSWR



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