SUMMARY TEST DATA
ON
DTA-2G18G-60-12-CD-1-20DBM-TS-NSI

A Quantic Company

Customer: [redacted]
Job No: [redacted]
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL31990/2214

Tested By: S. O'Neill
Date: Friday, April 8, 2022
Temperature: +25° C
Drawing No: 27617795 **Rev:** A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA1
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.69:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.38 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.87 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.2 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.15 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.34 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.52 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.92 V	
12	Switching Speed:	On Time: 1.0 µs Max. Off Time: 0.5 µs Max.	<1.0 µs On Time <0.5 µs Off Time See Typical Characteristics	
13	DC Supply:	+15VDC @ 150 mA Max.	120 mA	PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.014172	0.001453	0.01
0.03125	0.02838	0.00287	0.01
0.0625	0.0578	0.0047	0.01
0.125	0.121	0.004	0.02
0.25	0.25	0.00	0.03
0.50	0.51	-0.01	0.04
1.00	1.02	-0.02	0.09
2.00	2.05	-0.05	0.16
4.00	4.08	-0.08	0.27
8.00	8.08	-0.08	0.26
16.00	15.92	0.23	0.30
32.00	31.77	0.23	0.61

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.09	-0.09	0.33
10.00	10.03	-0.03	0.23
15.00	14.85	0.15	0.28
20.00	19.86	0.14	0.38
25.00	24.79	0.21	0.49
30.00	29.77	0.23	0.57
35.00	34.74	0.26	0.70
40.00	39.66	0.34	0.87
45.00	44.21	0.79	1.06
50.00	48.91	1.09	1.23
55.00	53.48	1.52	1.62
60.00	58.64	1.36	2.20

QA/QC Approval: PMI QA1 **Date:** 4/11/22

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

PMI
A Quantic Company

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ON
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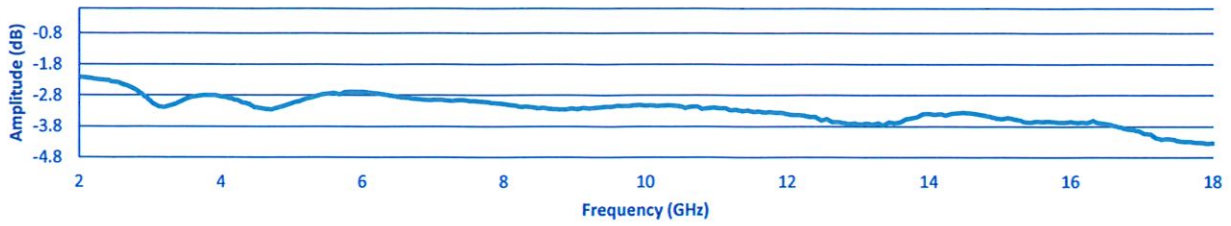
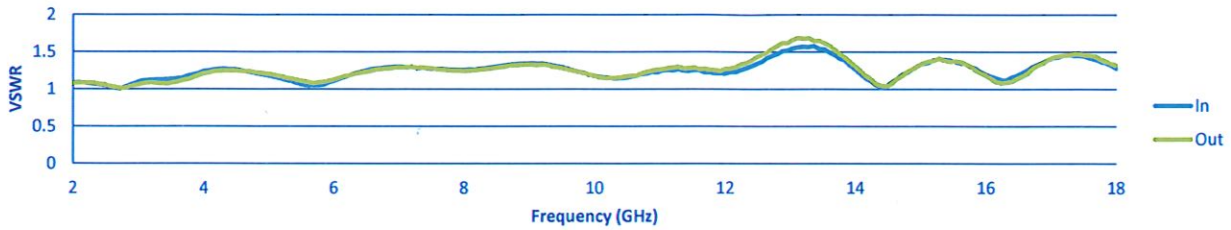
PL31990/2214

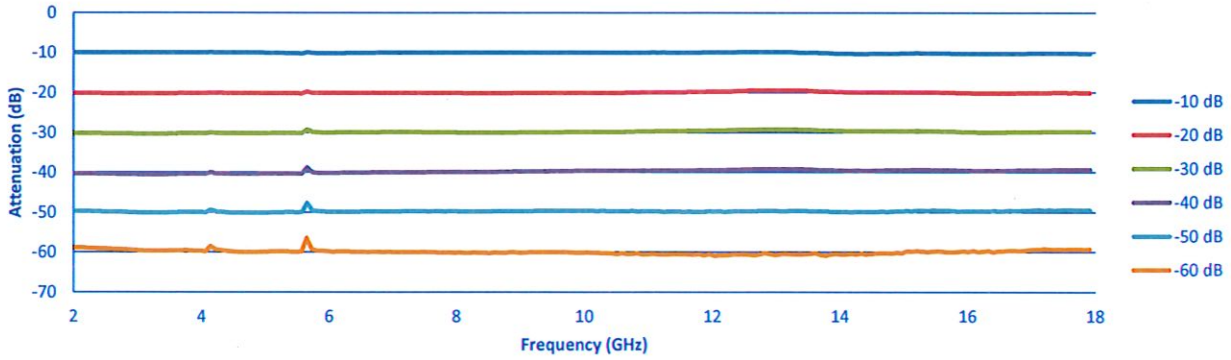
Insertion Loss



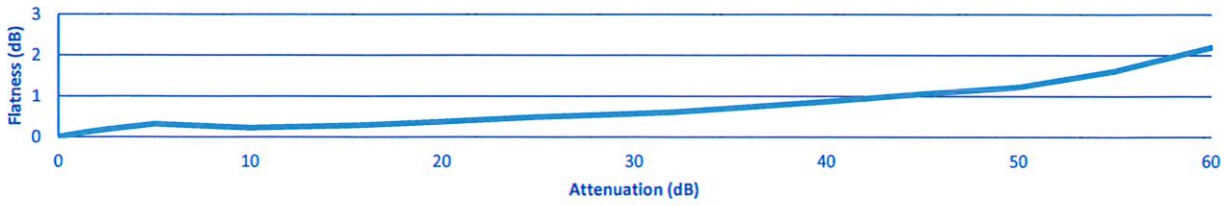
VSWR



Attenuation vs. Frequency



Flatness



Accuracy

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