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

A Quanlic Company

Customer: [redacted]
Job No: [redacted]
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL31995/2114

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.	4.2 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.5 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.57 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	0.89 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.18 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.21 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.15 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.98 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	0.019747	-0.004122	0.00
0.03125	0.03250	-0.00125	0.00
0.0625	0.0595	0.0030	0.01
0.125	0.118	0.007	0.01
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	1.00	0.00	0.08
2.00	2.02	-0.02	0.16
4.00	4.04	-0.04	0.29
8.00	8.02	-0.02	0.30
16.00	15.90	0.14	0.42
32.00	31.86	0.14	0.55

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.03	-0.03	0.33
10.00	9.99	0.01	0.27
15.00	14.82	0.18	0.38
20.00	19.89	0.11	0.50
25.00	24.79	0.21	0.57
30.00	29.86	0.14	0.55
35.00	34.83	0.17	0.54
40.00	39.85	0.15	0.52
45.00	44.88	0.12	0.44
50.00	49.98	0.02	0.40
55.00	54.87	0.13	0.75
60.00	59.99	0.01	0.89

QA/QC Approval: [signature] 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

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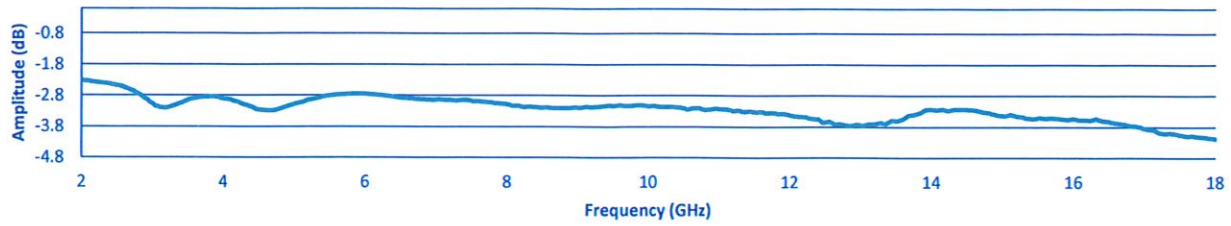
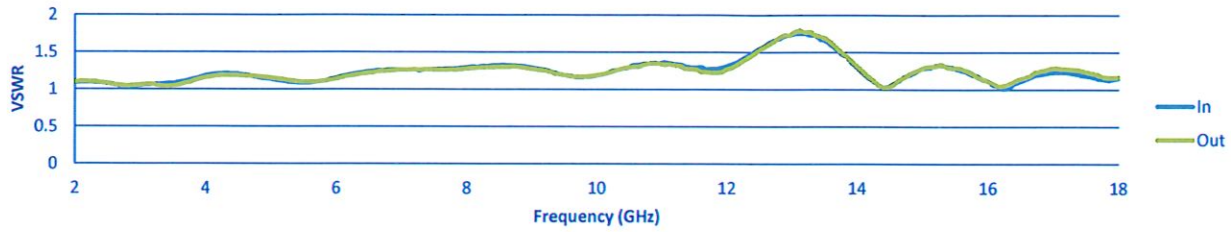
PL31995/2114

A Quantic Company

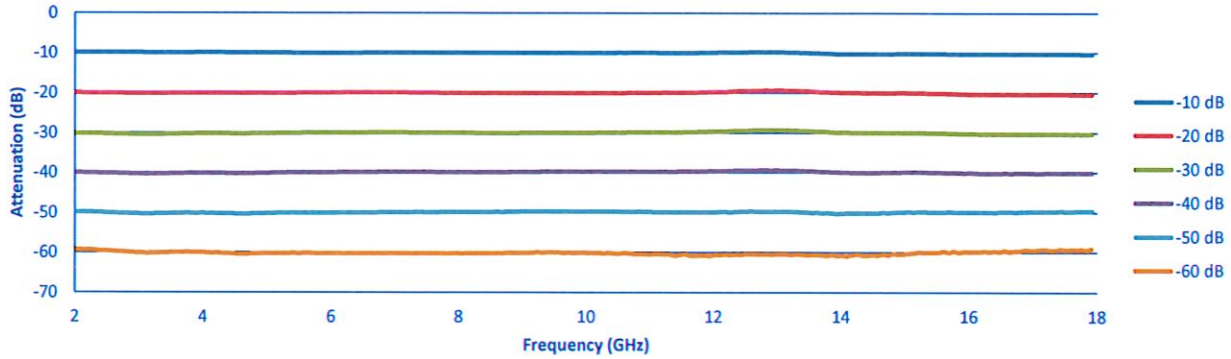
Insertion Loss



VSWR

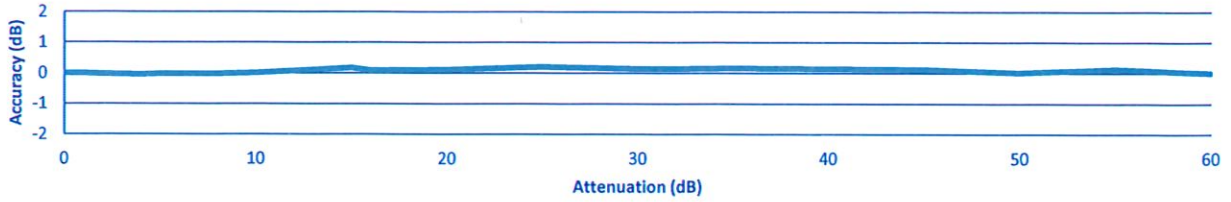


Attenuation vs. Frequency



Flatness

Accuracy



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