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

Customer:
Job No:
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL33010/2129

Tested By: K. Wagaman
Date: Thursday, July 22, 2021
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 QA 2
2	Insertion Loss:	4.8 dB Max.	4.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.73:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	1.02 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.1 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.24 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.85 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1.42 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.97 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.06 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.	118 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0241	-0.01	0.00
0.0313	0.0367	-0.01	0.00
0.0625	0.0674	0.00	0.01
0.125	0.125	0.00	0.01
0.25	0.26	-0.01	0.02
0.50	0.52	-0.02	0.04
1.00	1.04	-0.04	0.08
2.00	2.07	-0.07	0.16
4.00	4.16	-0.16	0.32
8.00	8.32	-0.32	0.60
16.00	16.68	-1.34	0.96
32.00	33.34	-1.34	1.05

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.07	-0.07	0.38
10.00	10.41	-0.41	0.72
15.00	15.58	-0.58	0.92
20.00	20.85	-0.85	1.02
25.00	26.00	-1.00	1.10
30.00	31.24	-1.24	1.04
35.00	36.42	-1.42	0.78
40.00	41.39	-1.39	0.58
45.00	46.37	-1.37	0.39
50.00	51.39	-1.39	0.47
55.00	56.61	-1.61	0.76
60.00	61.97	-1.97	1.24

QA/QC Approval: PMI QA 2 Date: 07/23/21

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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ON
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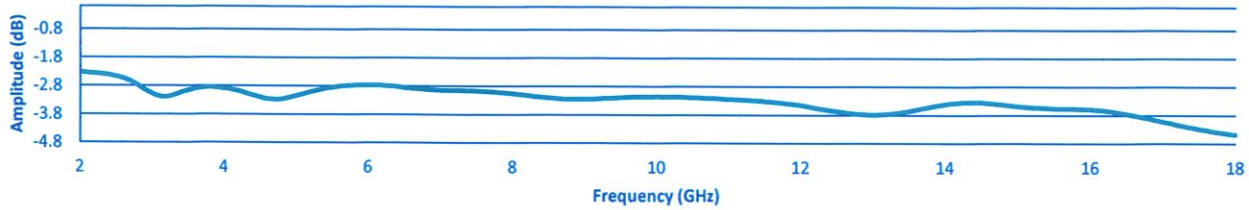
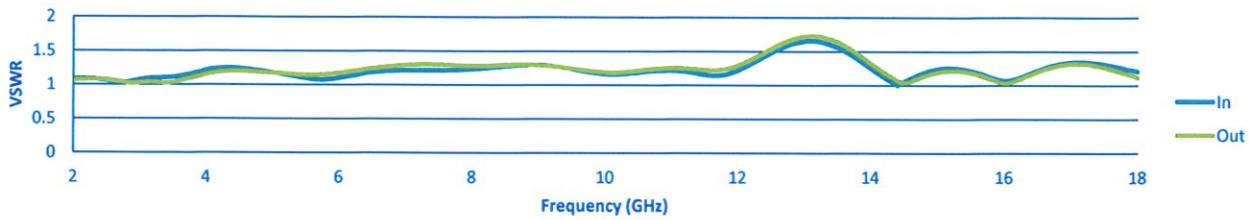
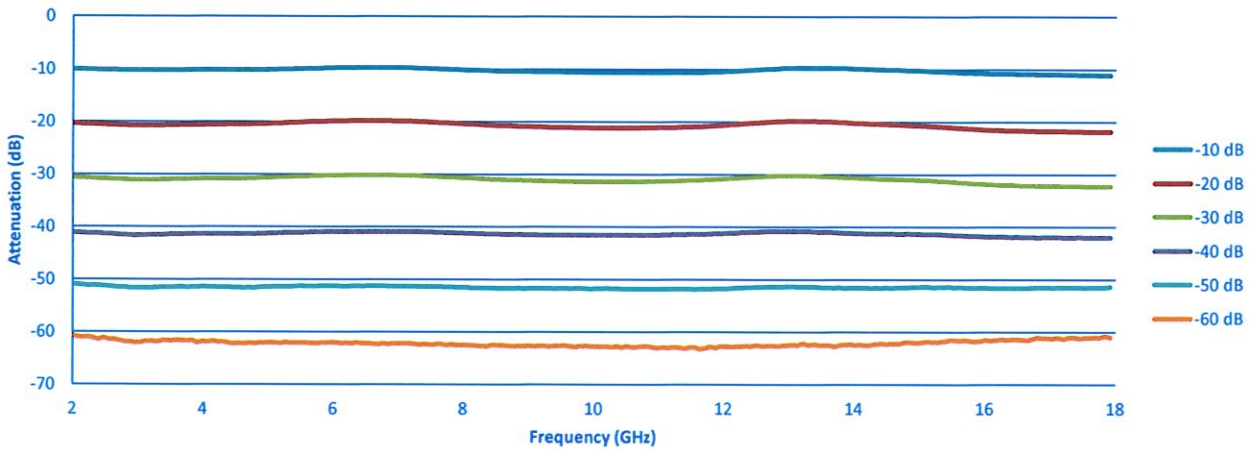
Insertion Loss



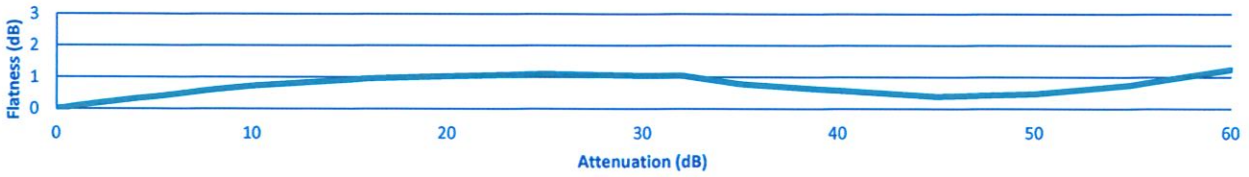
VSWR



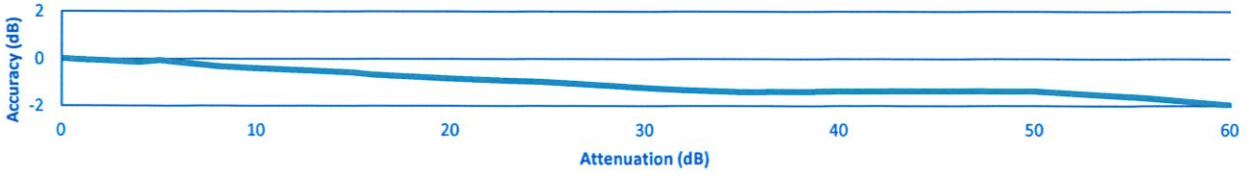
Attenuation vs. Frequency



Flatness



Accuracy



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