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

Customer: [redacted]
Job No: [redacted]
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL33016/2129

Tested By: K. Mansfield
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.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.91:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.61 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.81 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.54 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.54 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.97 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.3 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.97 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	0.0208	-0.01	0.00
0.0313	0.0316	0.00	0.00
0.0625	0.0580	0.00	0.01
0.125	0.119	0.01	0.02
0.25	0.24	0.01	0.03
0.50	0.50	0.00	0.05
1.00	1.00	0.00	0.10
2.00	2.01	-0.01	0.20
4.00	4.03	-0.03	0.35
8.00	8.09	-0.09	0.33
16.00	16.40	-0.85	0.57
32.00	32.85	-0.85	0.78

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.38
10.00	10.16	-0.16	0.38
15.00	15.30	-0.30	0.55
20.00	20.54	-0.54	0.61
25.00	25.63	-0.63	0.69
30.00	30.70	-0.70	0.75
35.00	35.93	-0.93	0.81
40.00	40.97	-0.97	0.80
45.00	46.05	-1.05	0.72
50.00	51.20	-1.20	0.96
55.00	56.17	-1.17	1.34
60.00	61.30	-1.30	1.54

QA/QC Approval: [signature] PMI QA 2 Date: 07/23/21

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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ON
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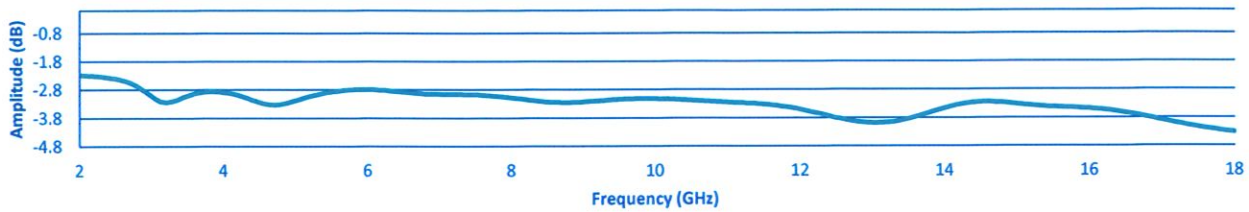
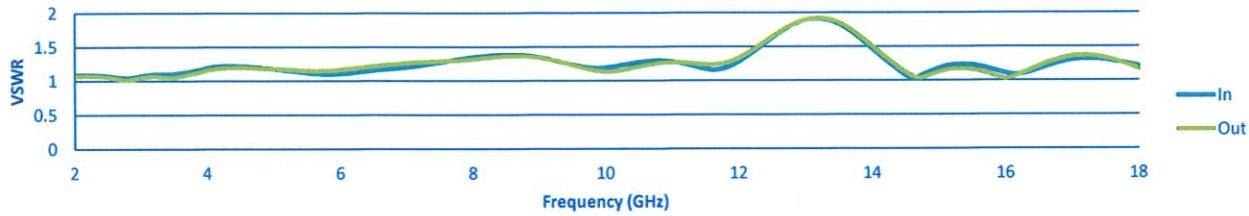
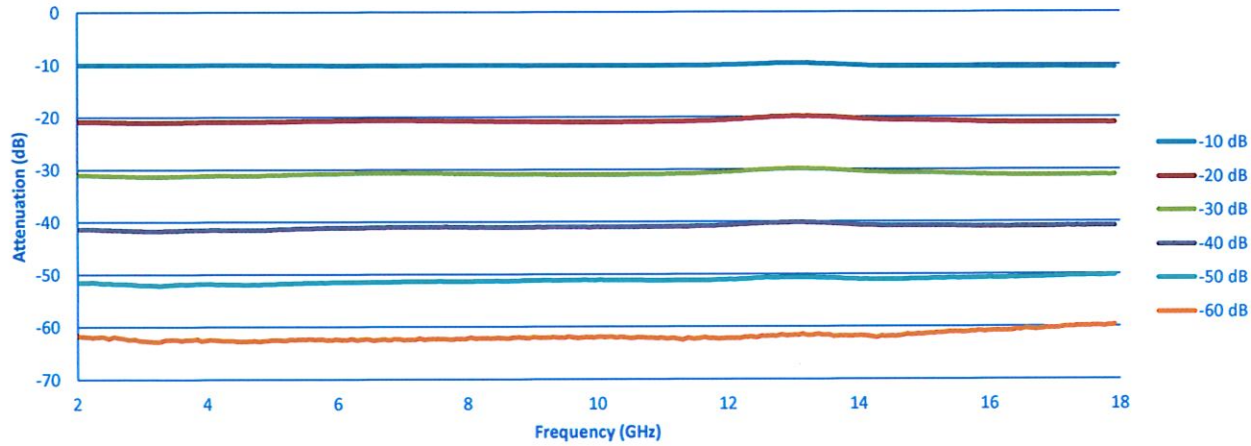
Insertion Loss



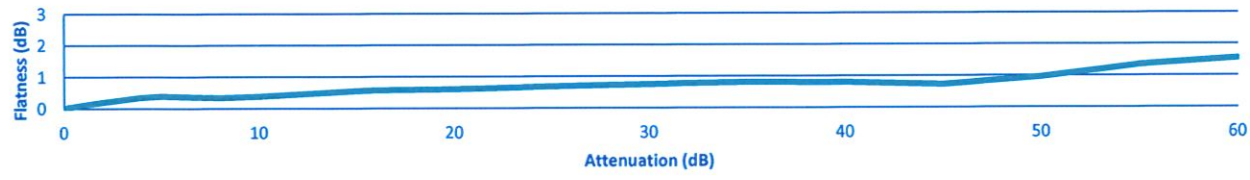
VSWR



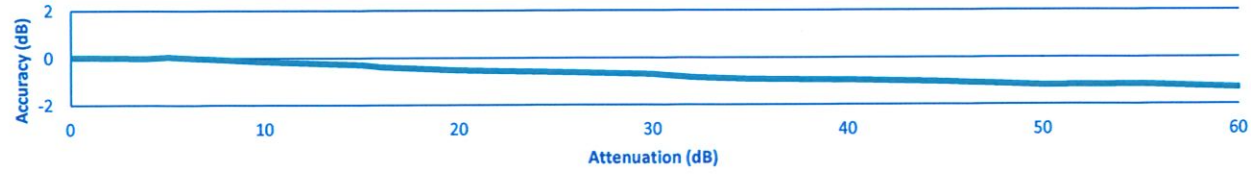
Attenuation vs. Frequency



Flatness



Accuracy



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