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: PL33012/2129

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.	4.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.84:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.57 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.7 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	0.88 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.26 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.49 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.65 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	0.0205	0.00	0.00
0.0313	0.0357	0.00	0.00
0.0625	0.0648	0.00	0.01
0.125	0.123	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.04
1.00	1.01	-0.01	0.09
2.00	2.03	-0.03	0.18
4.00	4.08	-0.08	0.31
8.00	8.03	-0.03	0.33
16.00	15.82	0.40	0.46
32.00	31.60	0.40	0.69

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.07	-0.07	0.35
10.00	9.98	0.02	0.32
15.00	14.76	0.24	0.41
20.00	19.74	0.26	0.57
25.00	24.63	0.37	0.64
30.00	29.54	0.46	0.70
35.00	34.56	0.44	0.69
40.00	39.51	0.49	0.61
45.00	44.56	0.44	0.57
50.00	49.42	0.58	0.42
55.00	54.35	0.65	0.37
60.00	59.37	0.63	0.88

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
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ON
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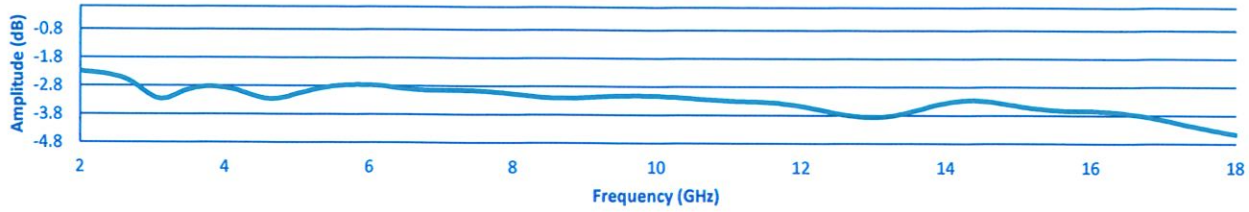
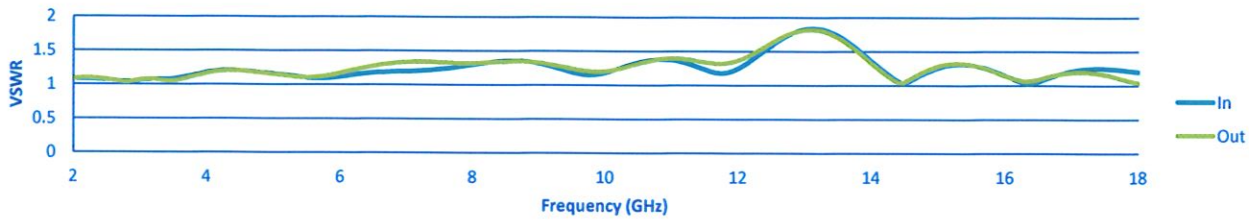
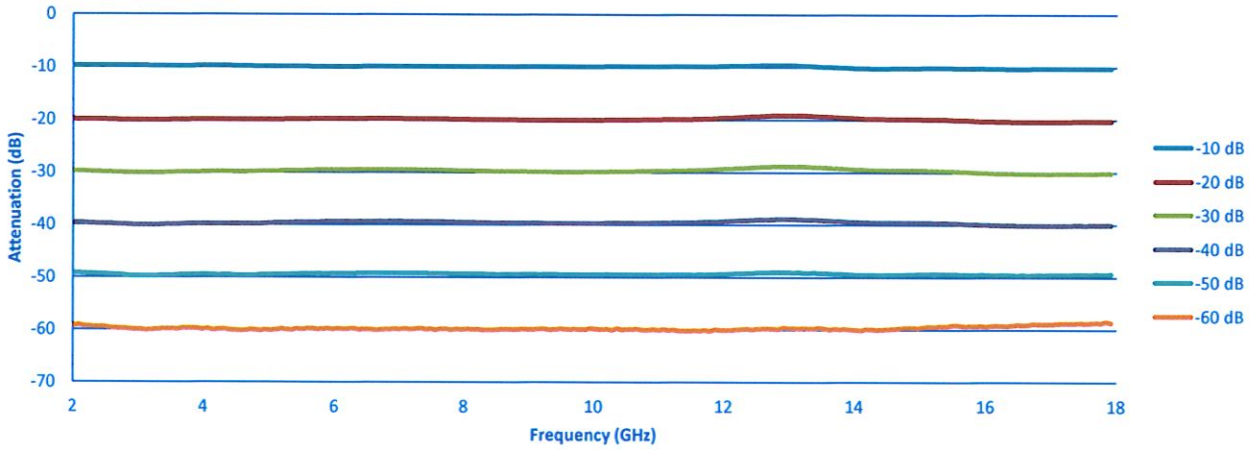
Insertion Loss



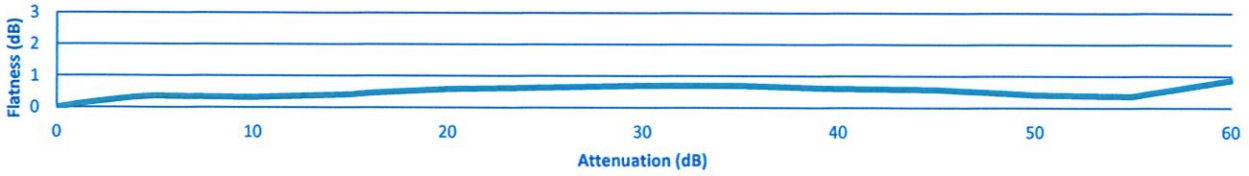
VSWR



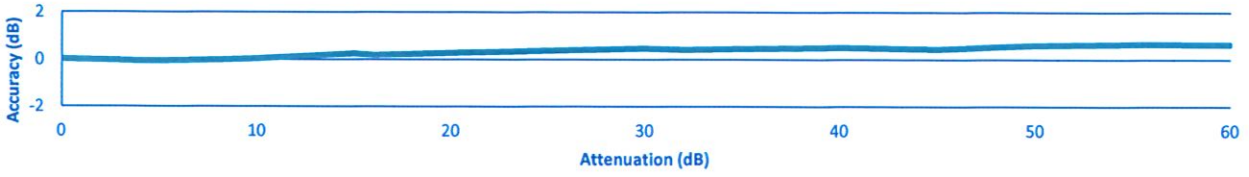
Attenuation vs. Frequency



Flatness



Accuracy



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