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: PL33019/2129

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.	4.8 dB See Plot	
3	VSWR:	2.0:1 Max.	1.88:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.45 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.58 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.74 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.	0.35 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.5 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	0.0219	-0.01	0.00
0.0313	0.0347	0.00	0.00
0.0625	0.0608	0.00	0.01
0.125	0.122	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.05
1.00	1.00	0.00	0.10
2.00	2.01	-0.01	0.21
4.00	4.03	-0.03	0.38
8.00	8.06	-0.06	0.39
16.00	16.12	-0.30	0.36
32.00	32.30	-0.30	0.57

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.05	-0.05	0.44
10.00	10.08	-0.08	0.35
15.00	15.03	-0.03	0.34
20.00	20.18	-0.18	0.45
25.00	25.13	-0.13	0.54
30.00	30.28	-0.28	0.58
35.00	35.30	-0.30	0.58
40.00	40.35	-0.35	0.55
45.00	45.46	-0.46	0.54
50.00	50.43	-0.43	0.95
55.00	55.50	-0.50	1.49
60.00	60.46	-0.46	1.74

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
Email: sales@pmi-rf.com

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ON
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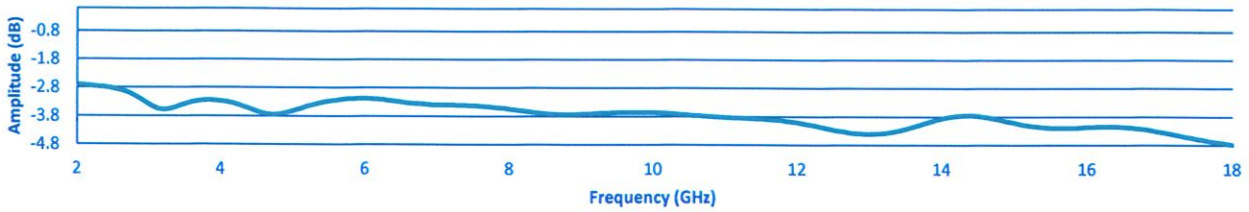
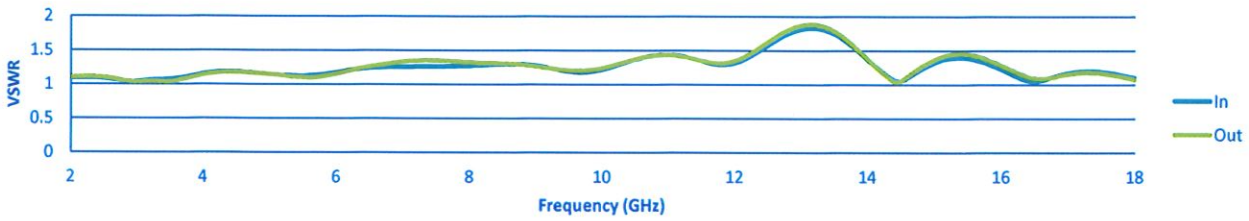
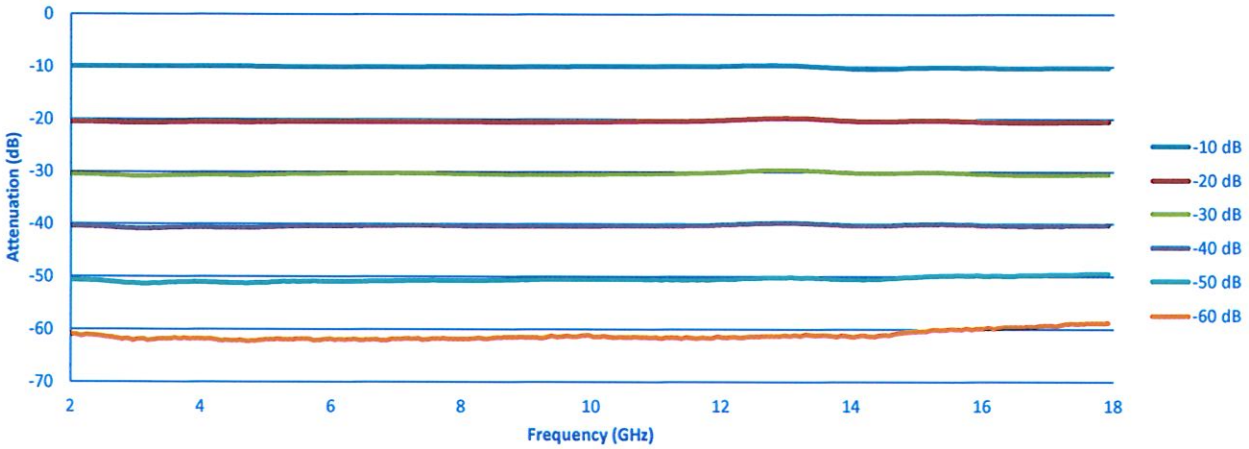
Insertion Loss



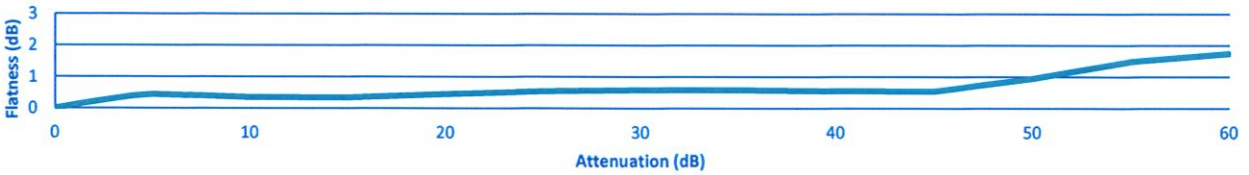
VSWR



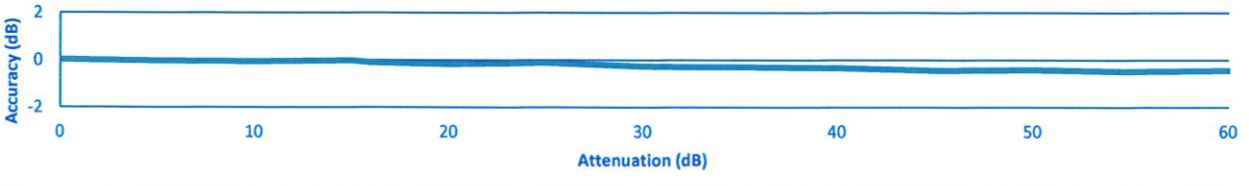
Attenuation vs. Frequency



Flatness



Accuracy



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