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-NS
Serial No: PL33224/2130

Tested By: E. Kretz
Date: Friday, July 30, 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.	1.63:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.4 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.75 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.56 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.14 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.5 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.11 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.01 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	0.0190	0.00	0.01
0.0313	0.0310	0.00	0.01
0.0625	0.0581	0.00	0.01
0.125	0.116	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.04
1.00	1.01	-0.01	0.08
2.00	2.03	-0.03	0.15
4.00	4.06	-0.06	0.25
8.00	8.06	-0.06	0.26
16.00	15.94	0.33	0.30
32.00	31.67	0.33	0.75

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.06	-0.06	0.30
10.00	10.03	-0.03	0.23
15.00	14.86	0.14	0.28
20.00	19.89	0.11	0.40
25.00	24.72	0.28	0.55
30.00	29.74	0.26	0.73
35.00	34.59	0.41	0.72
40.00	39.50	0.50	0.71
45.00	44.37	0.63	0.93
50.00	49.23	0.77	1.36
55.00	53.89	1.11	1.53
60.00	59.59	0.41	2.56

QA/QC Approval: PMI QA 2 Date: 7/30/2021

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

PL33224/2130

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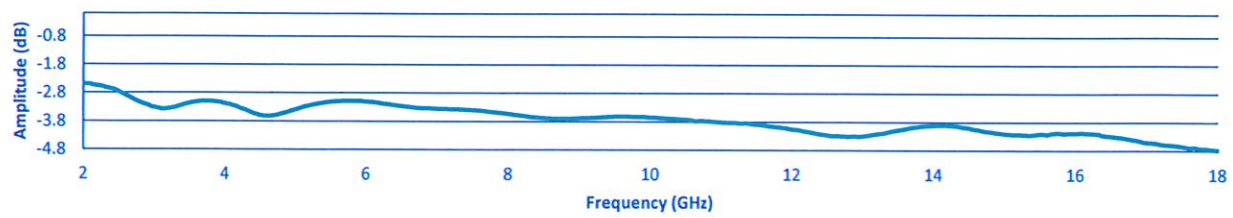
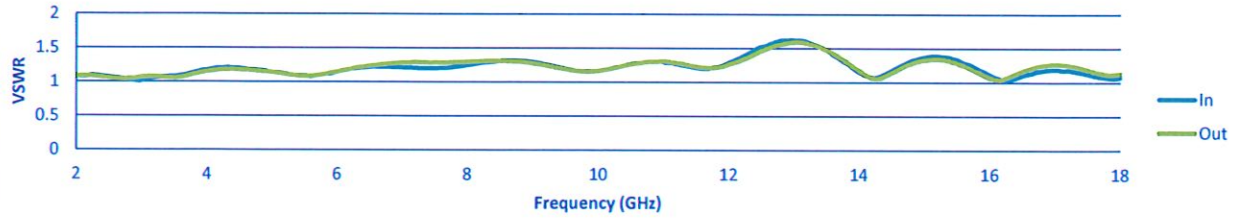
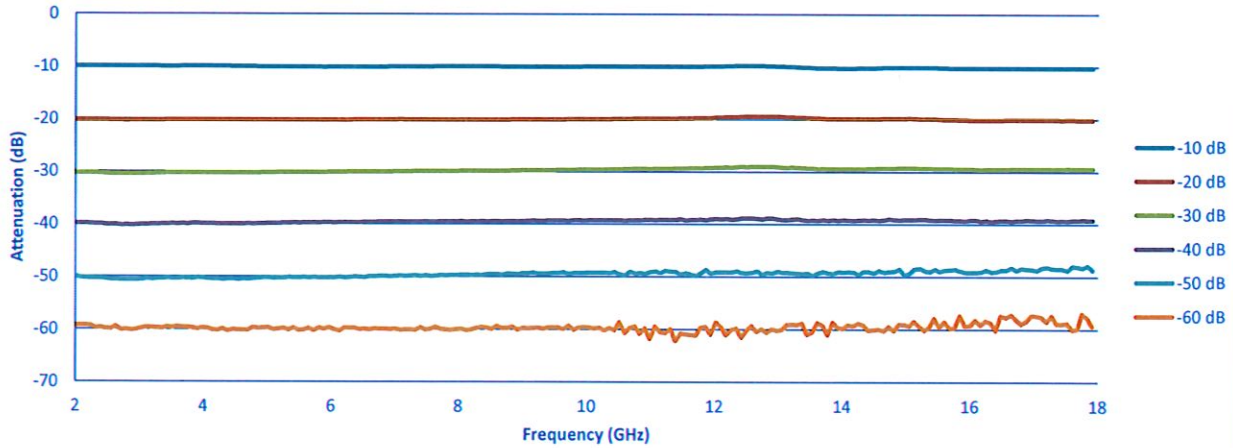
Insertion Loss



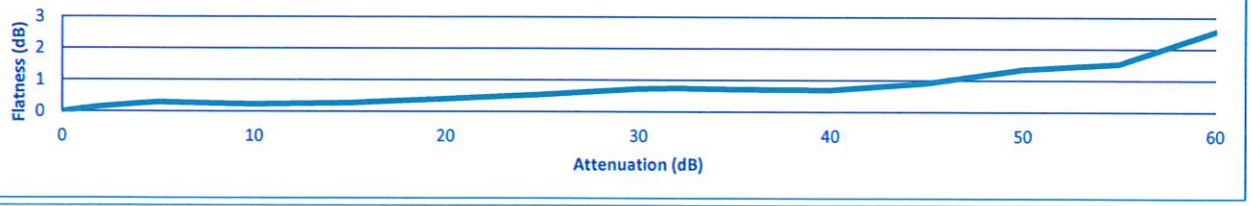
VSWR



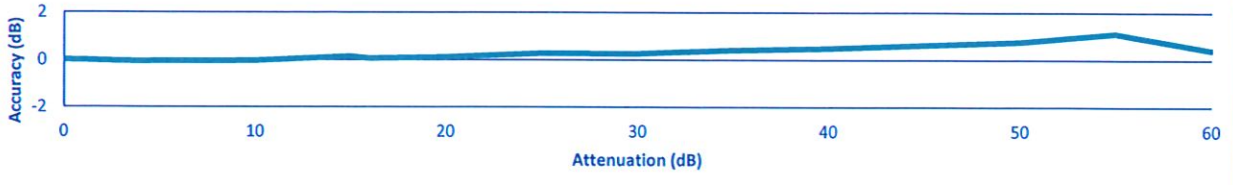
Attenuation vs. Frequency



Flatness



Accuracy



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