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: PL33289/2131

Tested By: K. Mansfield
Date: Friday, August 6, 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.	4.4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.59 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.77 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.39 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.04 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.27 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3 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.	120 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0231	-0.01	0.01
0.0313	0.0374	-0.01	0.01
0.0625	0.0649	0.00	0.01
0.125	0.126	0.00	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.05
1.00	1.01	-0.01	0.10
2.00	2.03	-0.03	0.19
4.00	4.07	-0.07	0.33
8.00	8.08	-0.08	0.36
16.00	15.99	0.02	0.46
32.00	31.98	0.02	0.74

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.08	-0.08	0.39
10.00	10.03	-0.03	0.30
15.00	14.92	0.08	0.43
20.00	19.99	0.01	0.59
25.00	24.97	0.03	0.69
30.00	30.00	0.00	0.75
35.00	35.04	-0.04	0.77
40.00	40.01	-0.01	0.72
45.00	44.93	0.07	0.59
50.00	49.96	0.04	0.68
55.00	55.05	-0.05	1.22
60.00	60.27	-0.27	2.39

QA/QC Approval: PMI QA 2 Date: 8/12/2021

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

PL33289/2131

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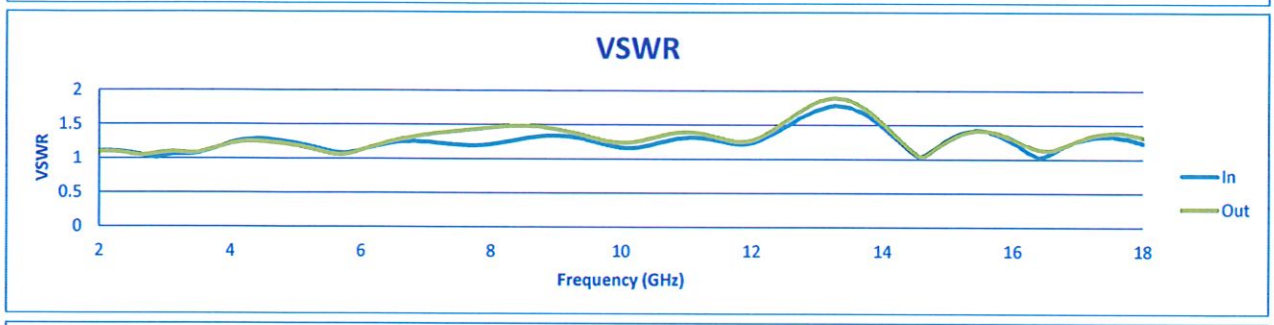
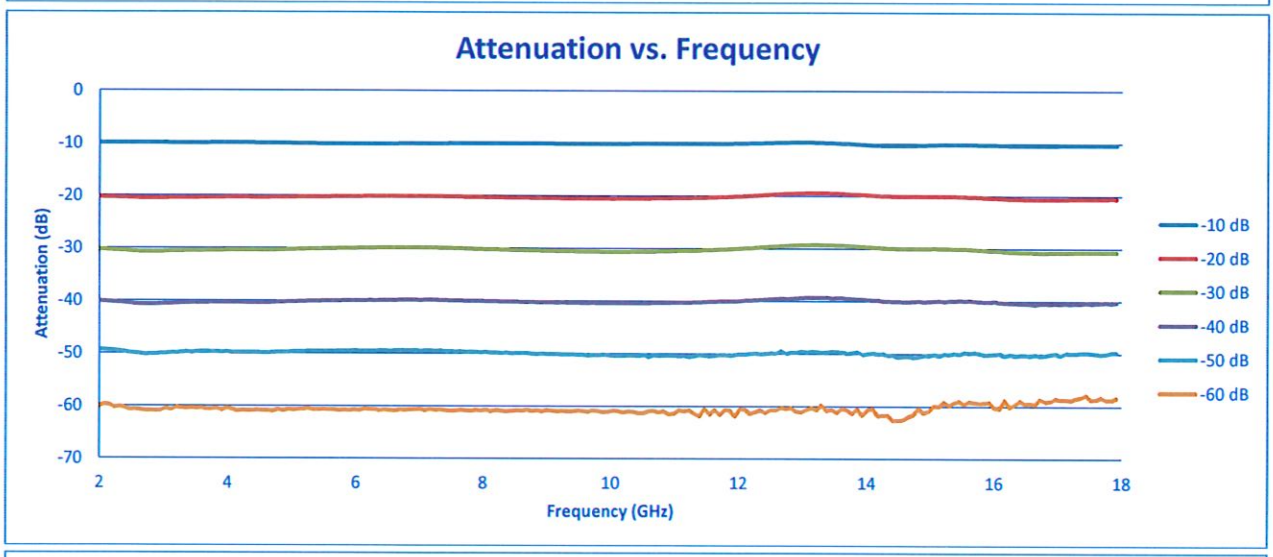
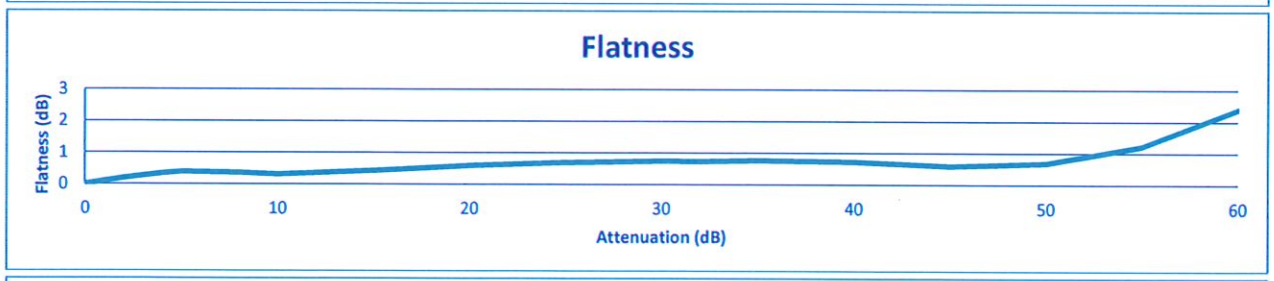
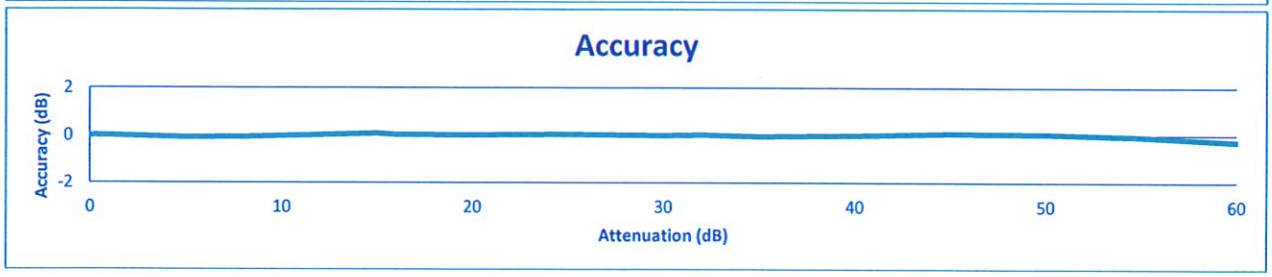
ON
DTA-2G18G-60-12-CD-1-20DBM-TS-NSI









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