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

Customer: [redacted]
Job No: [redacted]
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS
Serial No: PL26741/1941

Tested By: K. Mansfield
Date: Friday, October 11, 2019
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 QA1
2	Insertion Loss:	4.8 dB Max.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.44 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.74 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.36 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.07 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.14 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.13 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3V	
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 QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0142	0.00	0.00
0.0313	0.0288	0.00	0.00
0.0625	0.06	0.00	0.01
0.125	0.12	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	0.99	0.01	0.05
2.00	1.98	0.02	0.11
4.00	3.99	0.01	0.20
8.00	8.00	0.00	0.28
16.00	16.02	-0.14	0.34
32.00	32.14	-0.14	0.72

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.93	0.07	0.23
10.00	10.00	0.00	0.31
15.00	14.97	0.03	0.34
20.00	20.03	-0.03	0.44
25.00	24.98	0.02	0.62
30.00	29.99	0.01	0.71
35.00	35.01	-0.01	0.74
40.00	40.10	-0.10	0.67
45.00	45.04	-0.04	0.50
50.00	50.12	-0.12	0.46
55.00	54.87	0.13	0.87
60.00	59.89	0.11	1.36

QA/QC Approval: PMI QA1 Date: 10/14/19

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

PL26741/1941

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ON
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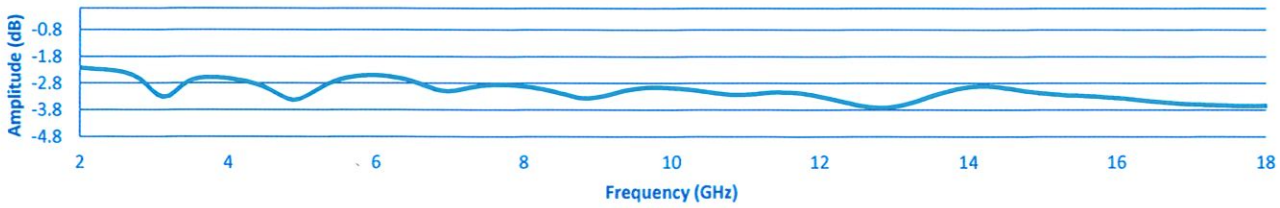
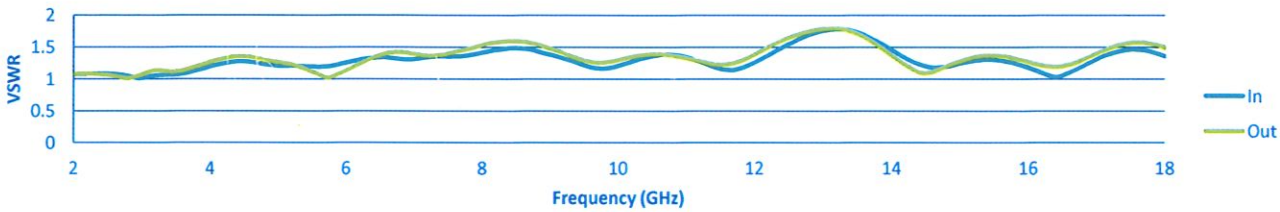
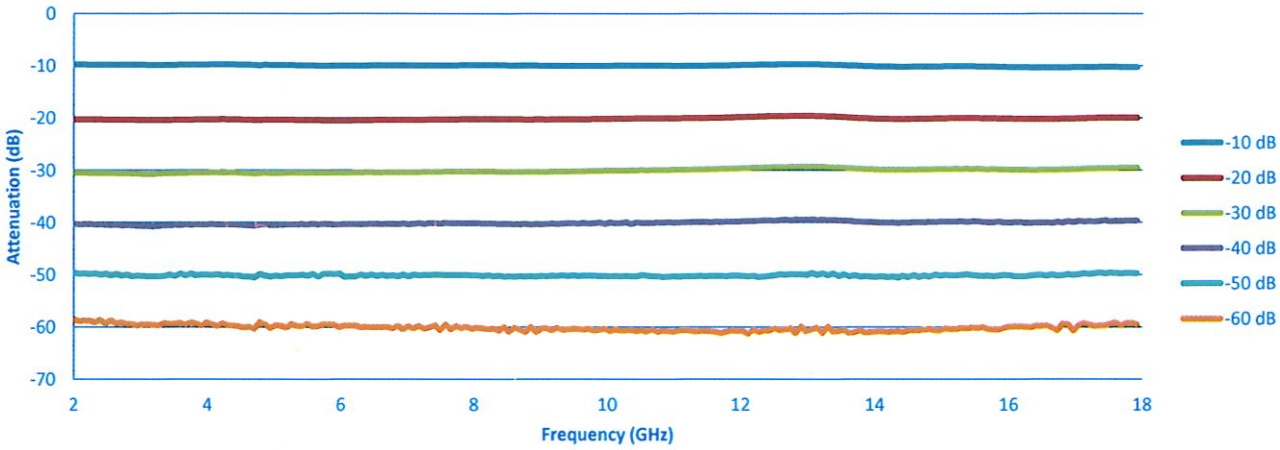
Insertion Loss



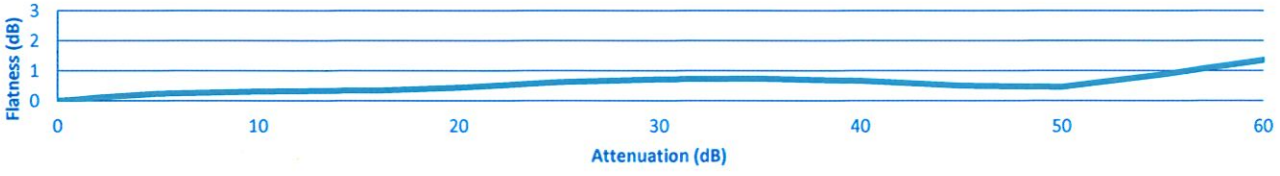
VSWR



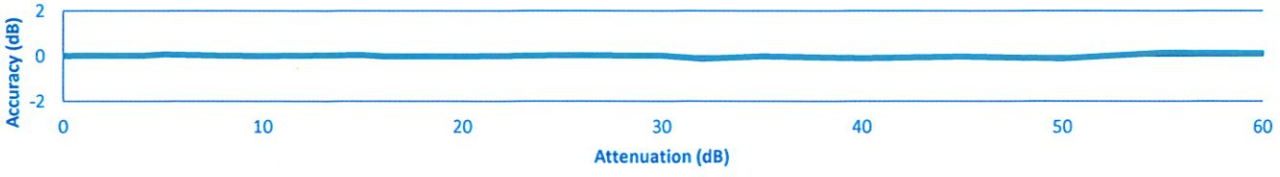
Attenuation vs. Frequency



Flatness



Accuracy



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