SUMMARY TEST DATA
ON
DTA-30M6G-60-CD-1

Customer:
Job No:
Model No: DTA-30M6G-60-CD-1
Serial No: 82004

Tested By: E. Kretz
Date: Thursday, September 06, 2018
Temperature: +25° C
Drawing No: 27614809 Rev: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	30 MHz – 6 GHz	30 MHz – 6 GHz	PMI QA 2
2	Insertion Loss:	4.0 dB Max.	2.4 dB See Graph	
3	Return Loss:	8.5 dB Min.	9.7 dB See Graph	
4	Monotonicity:	Verify	Pass	
5	Flatness @ 10 dB:	± 1.0 dB Typ.	1.17 dB See Plot	
6	Flatness @ 20 dB:	± 1.5 dB Typ.	1.1 dB See Plot	
7	Flatness @ 40 dB:	± 3.0 dB Typ.	1.16 dB See Plot	
8	Flatness @ 60 dB:	± 5.0 dB Typ.	2.11 dB See Plot	
9	Accuracy of Attenuation 0 to 30 dB:	± 1.0 dB Typ.	0.44 dB See Plot	
10	Accuracy of Attenuation 30 to 50 dB:	± 1.3 dB Typ.	0.87 dB See Plot	
11	Accuracy of Attenuation 50 to 60 dB:	± 1.5 dB Typ.	0.48 dB See Plot	
12	Switching Speed:	50 us Max.	<10 us See Typical Characteristics	
13	DC Supply:	+12VDC @ 155 mA Max.	75 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.26	-0.01	0.04
0.50	0.49	0.01	0.07
1.00	0.97	0.03	0.16
2.00	1.95	0.05	0.32
4.00	3.91	0.09	0.58
8.00	7.91	0.09	1.04
16.00	15.81	0.19	1.12
32.00	31.44	0.56	1.05
63.75	62.34	1.41	2.33

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.92	0.08	0.72
10.00	9.90	0.10	1.17
15.00	14.76	0.24	1.13
20.00	19.74	0.26	1.10
25.00	24.78	0.22	1.08
30.00	29.80	0.20	1.07
35.00	34.78	0.22	1.10
40.00	39.66	0.34	1.16
45.00	44.90	0.10	1.21
50.00	49.98	0.02	1.57
55.00	54.79	0.21	1.86
60.00	59.99	0.01	2.11

QA/QC Approval: PMI QA 2

Date: 9/7/18

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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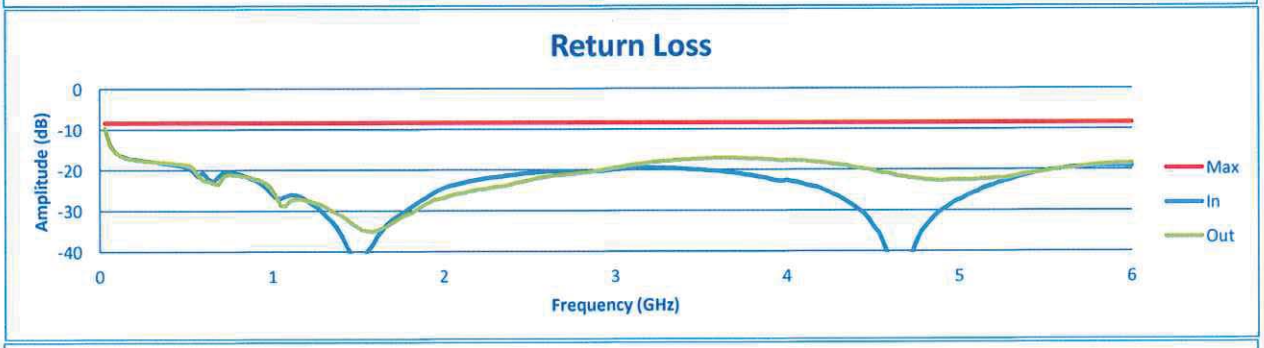

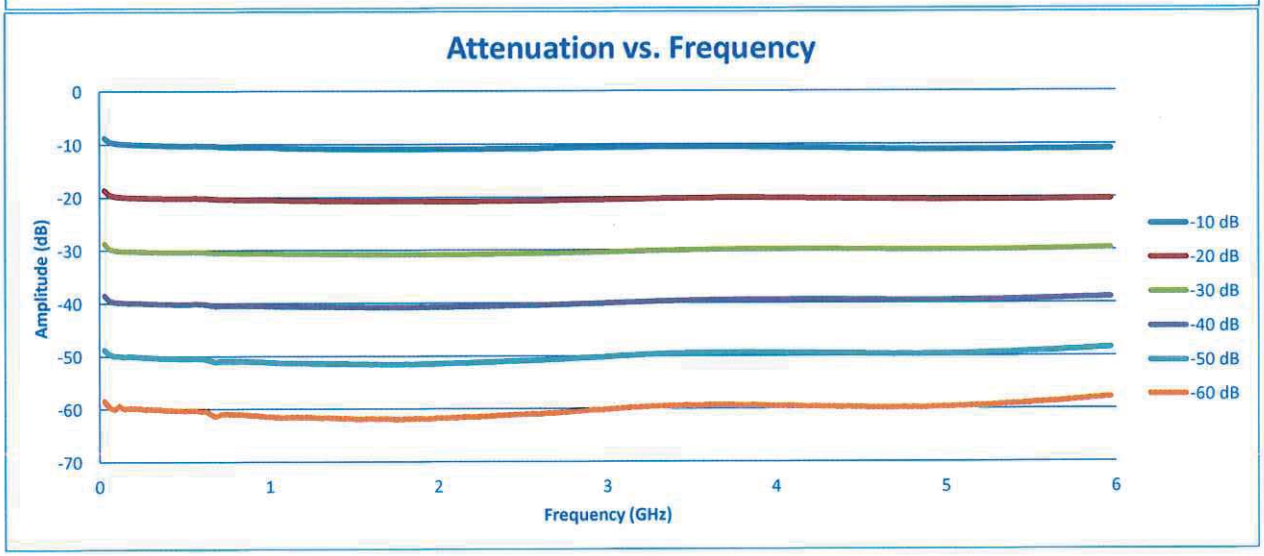

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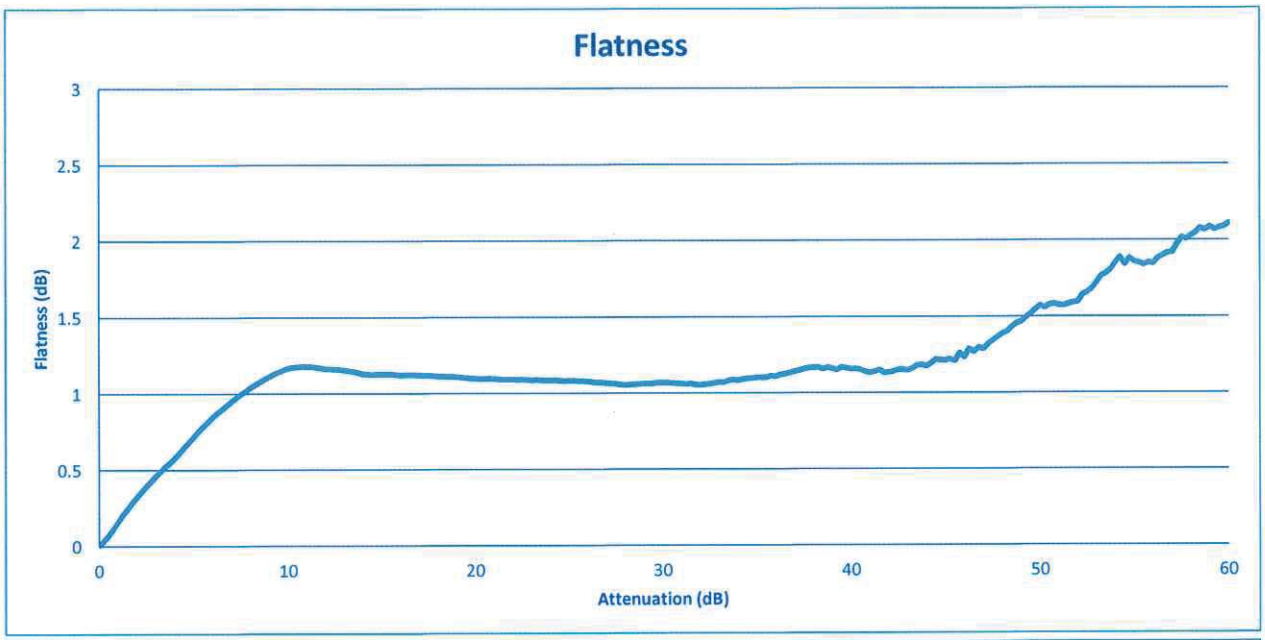

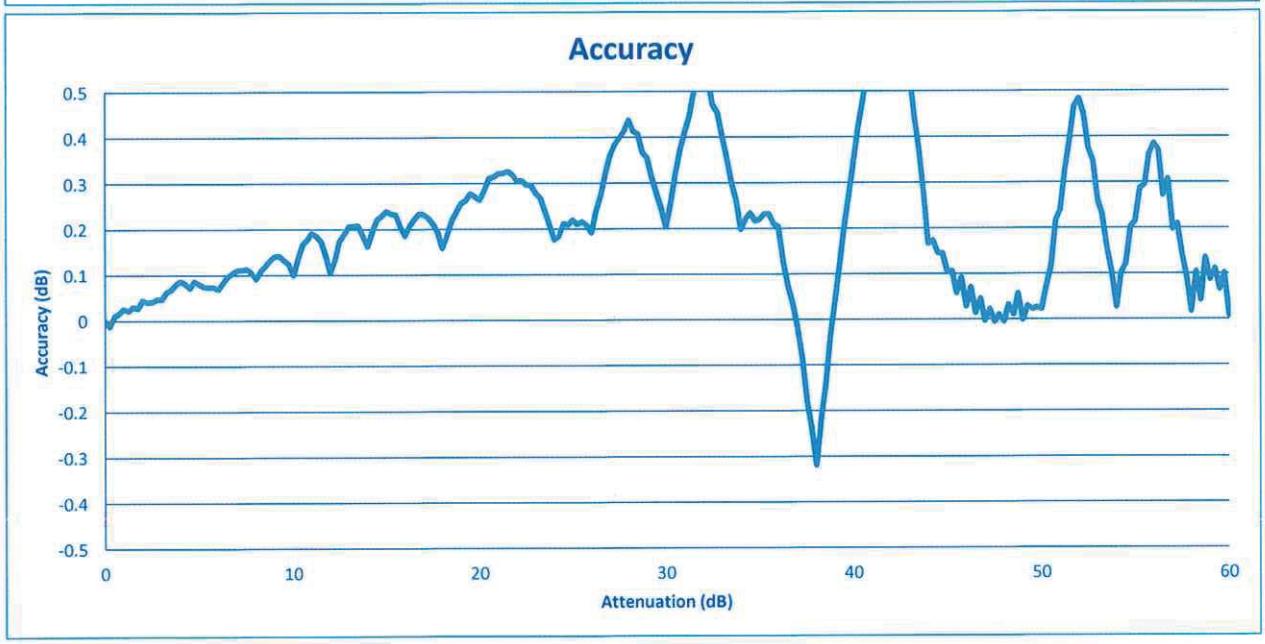

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