SUMMARY TEST DATA
ON
DTA-30M2D5G-60DB-10B

Customer:
Job No:
Model No: DTA-30M2D5G-60DB-10B
Serial No: PL26276/1933

Tested By: K. Mansfield
Date: Wednesday, August 14, 2019
Temperature: +25° C
Drawing No: 27636640 **Rev:** A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	30 MHz – 2.5 GHz	30 MHz – 2.5 GHz	PMI QA1
2	Mean Attenuation Range:	60 dB	63.2 dB	
3	Insertion Loss:	4.5 dB Max.	4.2 dB See Plot	
4	VSWR:	2.0:1 Max.	2:1 See Plot	
5	Flatness to 20 dB:	± 0.6 dB Typ.	± 0.31 dB	
6	Flatness to 40 dB:	± 1.0 dB Typ.	± 0.68 dB	
7	Flatness to 60 dB:	± 3.0 dB Typ.	± 2.36 dB	
8	Accuracy of Attenuation 0 to 20 dB:	± 0.5 dB Max.	± 0.37 dB	
9	Accuracy of Attenuation 20 to 40 dB:	± 0.75 dB Max.	± 0.26 dB	
10	Accuracy of Attenuation 40 to 60 dB:	± 1.5 dB Max.	± 0.55 dB	
11	Minimum Attenuation Step:	0.06 dB	0.0338 dB	
12	Survival Power:	1 W Average from -65°C to +25°C	Pass	
13	Switching Speed:	ON: 1.0 µs Max. OFF: 1.0 µs Max.	ON: < 1.0 µs OFF: < 1.0 µs See Typical Characteristics	
14	DC Supply:	+12 to +15 V @ 100 mA Max. -12 to -15 V @ 100 mA Max.	+12 V @ 39 mA -12 V @ 52 mA	PMI QA1

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
0.0625	0.03	0.03	0.00
0.125	0.08	0.04	0.01
0.25	0.21	0.04	0.00
0.50	0.46	0.04	0.01
1.00	1.02	-0.02	0.02
2.00	2.16	-0.16	0.05
4.00	4.37	-0.37	0.11
8.00	8.06	-0.06	0.15
16.00	15.85	0.15	0.26
32.00	32.26	-0.26	0.51
62.00	61.97	0.03	2.15
63.94	63.19	0.75	2.78

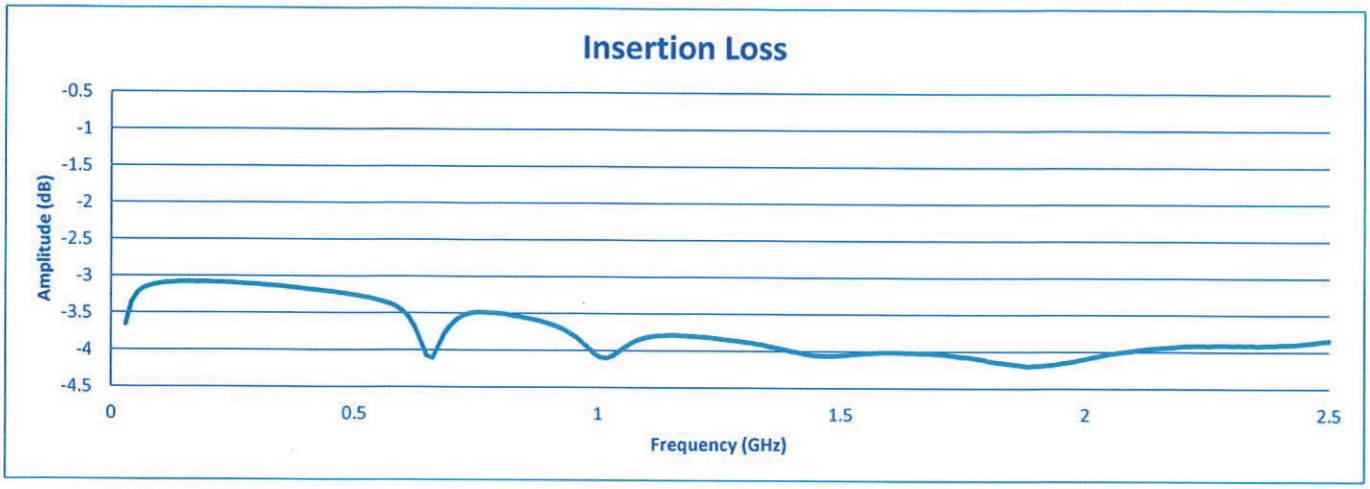
Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	5.35	-0.35	0.12
10.00	9.90	0.10	0.18
15.00	14.83	0.17	0.24
20.00	20.01	-0.01	0.31
25.00	25.21	-0.21	0.37
30.00	30.26	-0.26	0.46
35.00	35.18	-0.18	0.55
40.00	40.05	-0.05	0.68
45.00	45.34	-0.34	0.94
50.00	50.55	-0.55	1.20
55.00	55.28	-0.28	1.69
60.00	59.81	0.19	2.36

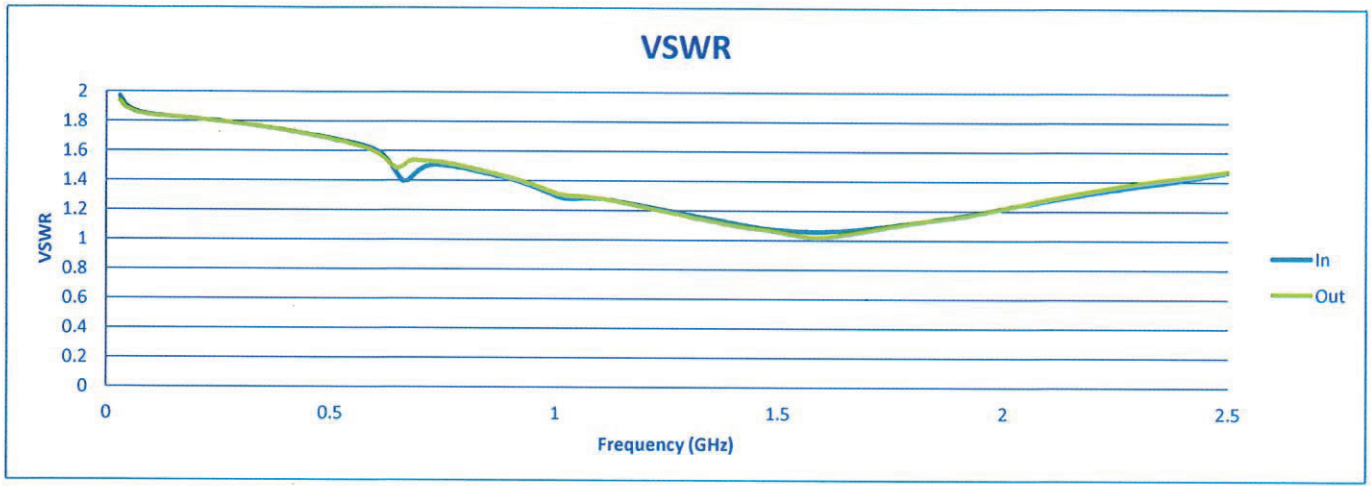
QA/QC Approval: PMI QA1 Date: 9/19/19

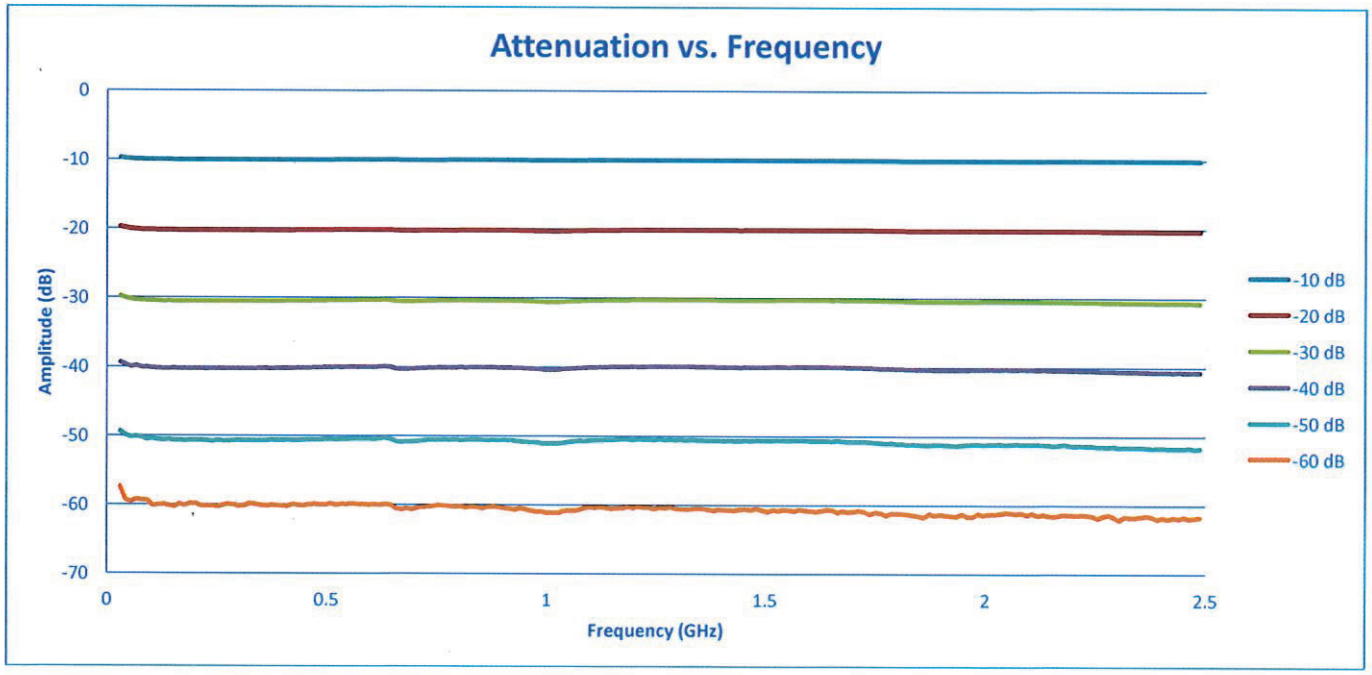
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

PL26276/1933

SUMMARY TEST DATA ON DTA-30M2D5G-60DB-10B







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