



**SUMMARY TEST DATA
ON
DTA-1G18G-60-CD-2**

Customer: _____
 SO No: _____
 Model No: DTA-1G18G-60-CD-2
 Serial No: PL35533/2205

Tested By: K. Mansfield
 Date: 1/31/2022
 Temperature: +25° C
 Drawing No: 27621593 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range:	1 GHz – 18 GHz	1 GHz – 18 GHz	PMI QA 2	
2	Insertion Loss:	4.5 dB Max.	4 dB See Plot		
3	VSWR:	2.0:1 Max.	1.6:1 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.	1.2 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.3 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.13 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.46 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.25 dB See Plot		
11	Switching Speed:	1.0 us Max.	See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	119 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.01
0.125	0.13	0.00	0.01
0.25	0.27	-0.02	0.03
0.50	0.53	-0.03	0.05
1.00	1.04	-0.04	0.09
2.00	2.08	-0.08	0.18
4.00	4.10	-0.10	0.32
8.00	8.11	-0.11	0.42
16.00	15.90	0.19	0.43
32.00	31.81	0.19	1.06
62.00	60.91	1.09	1.36
63.94	62.57	1.37	1.79

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	5.03	-0.03	0.37
10.00	10.09	-0.09	0.51
15.00	14.92	0.08	0.42
20.00	19.87	0.13	0.59
25.00	24.80	0.20	0.86
30.00	29.81	0.19	1.03
35.00	34.65	0.35	1.10
40.00	39.54	0.46	1.20
45.00	44.34	0.66	1.19
50.00	49.26	0.74	0.97
55.00	53.95	1.05	0.91
60.00	58.75	1.25	1.30

QA/QC Approval: 

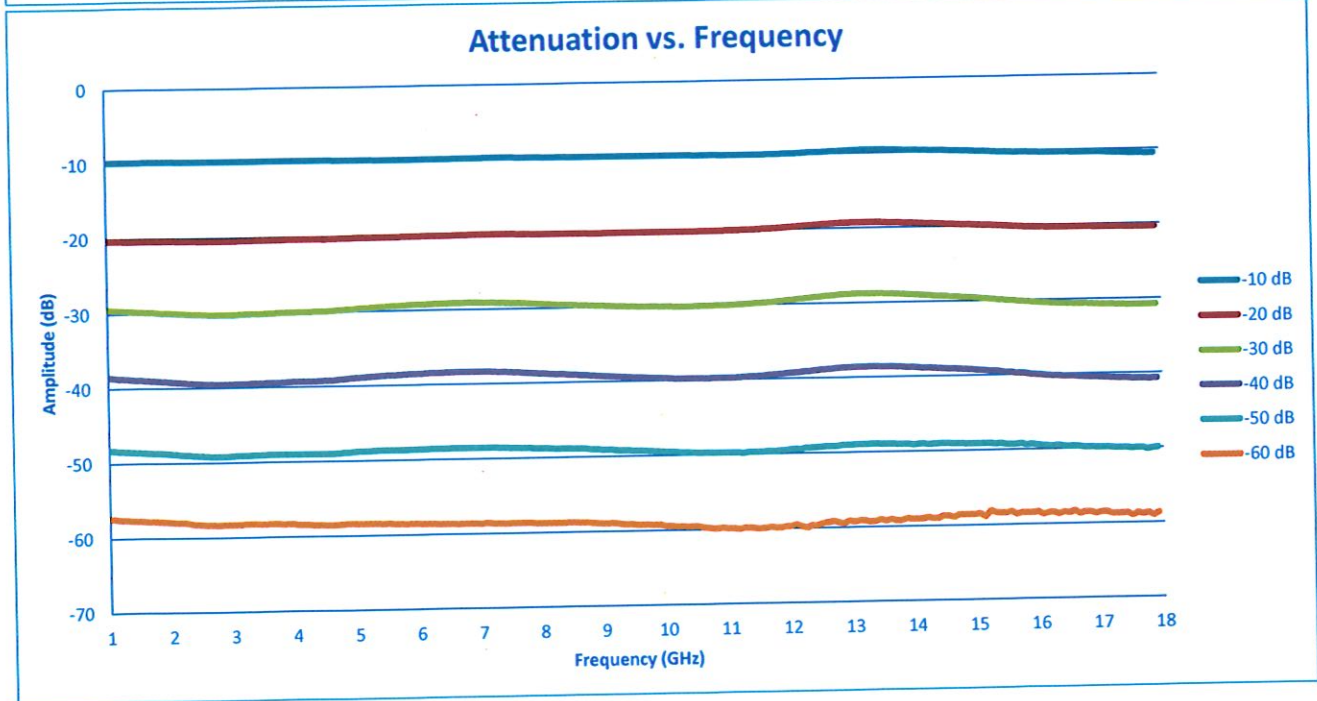
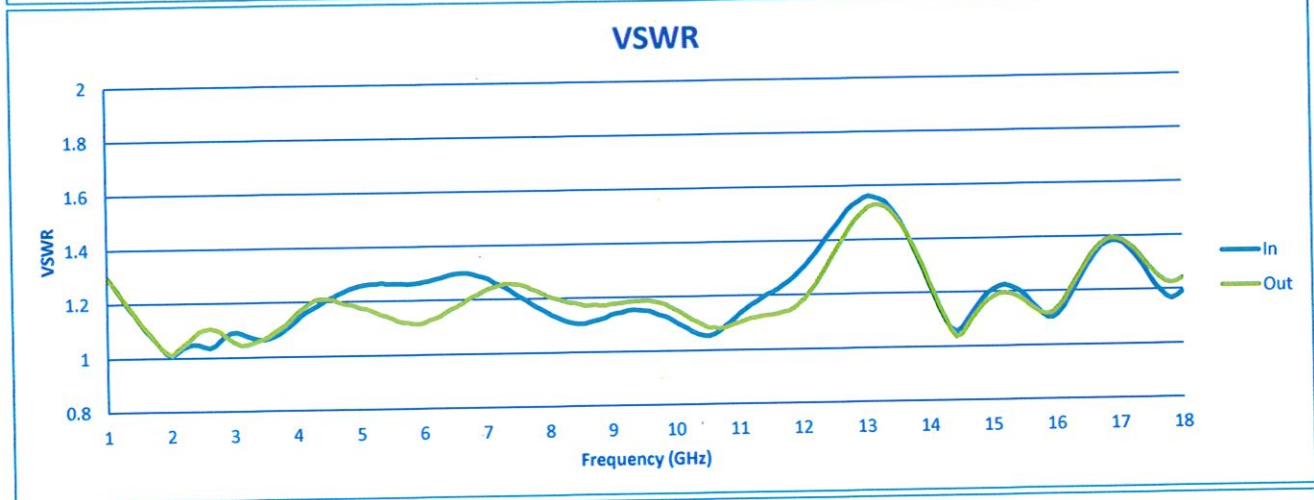
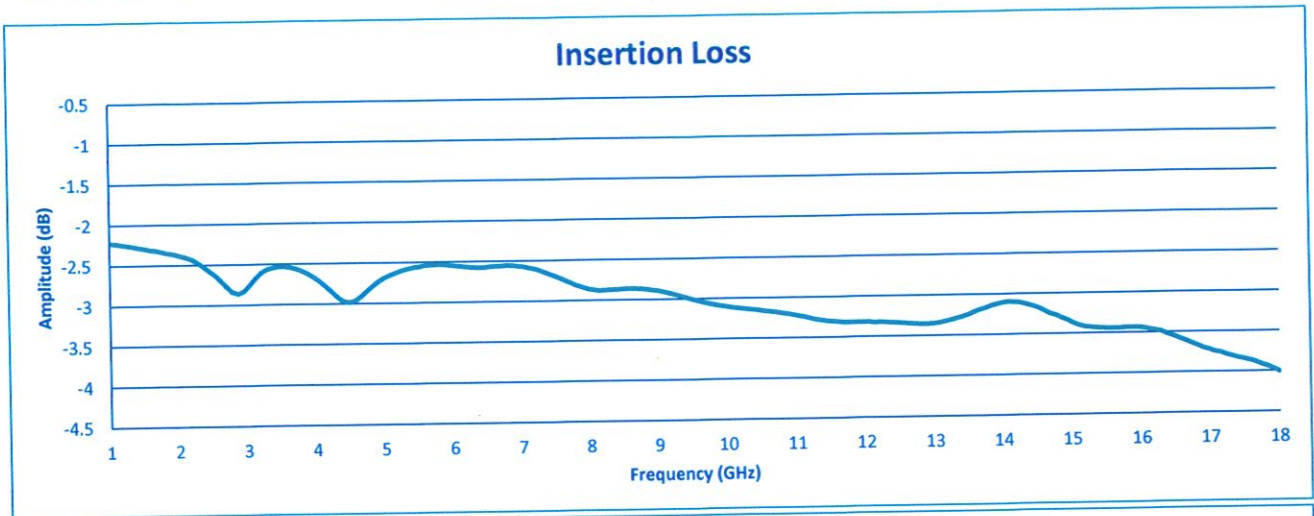
PMI
QA 2

Date: 1/31/2022



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