



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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-1G18G-60-CD-2  
 Serial No: PL35532/2205

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.	1.7:1 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.	1.01 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.39 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.14 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1.04 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.61 dB See Plot		
11	Switching Speed:	1.0 us Max.	See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	122 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.00	0.01
0.125	0.12	0.00	0.01
0.25	0.26	-0.01	0.03
0.50	0.52	-0.02	0.05
1.00	1.02	-0.02	0.09
2.00	2.03	-0.03	0.18
4.00	4.06	-0.06	0.33
8.00	8.06	-0.06	0.46
16.00	15.98	0.69	0.40
32.00	31.31	0.69	0.94
62.00	60.14	1.86	1.30
63.94	62.37	1.56	1.41

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.38
10.00	10.05	-0.05	0.52
15.00	14.99	0.01	0.43
20.00	19.86	0.14	0.59
25.00	24.62	0.38	0.78
30.00	29.41	0.59	0.89
35.00	34.12	0.88	0.97
40.00	38.96	1.04	1.01
45.00	43.81	1.19	1.01
50.00	48.72	1.28	0.85
55.00	53.39	1.61	0.96
60.00	58.50	1.50	1.39

QA/QC Approval:

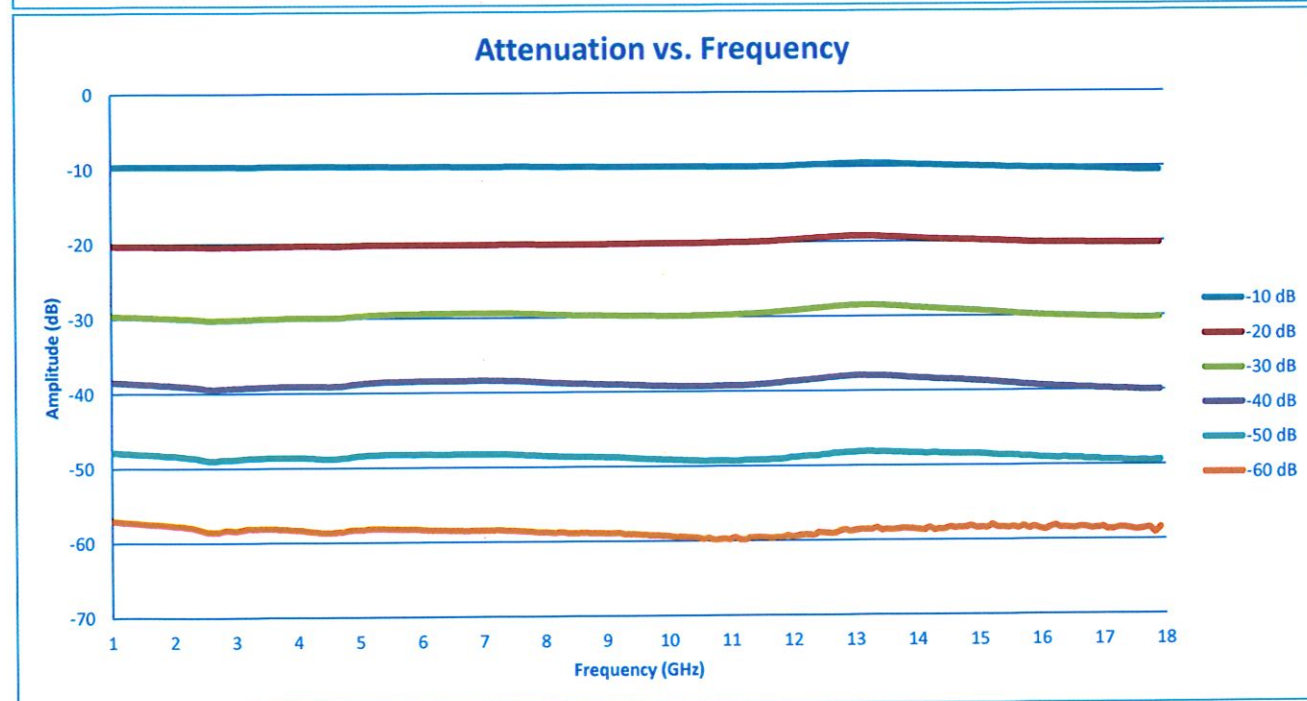
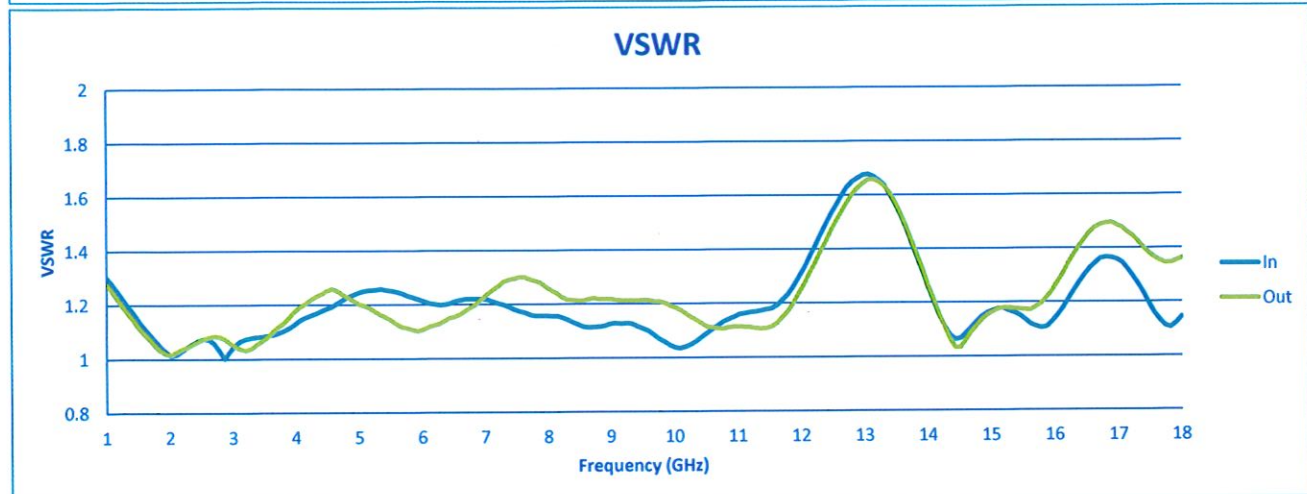
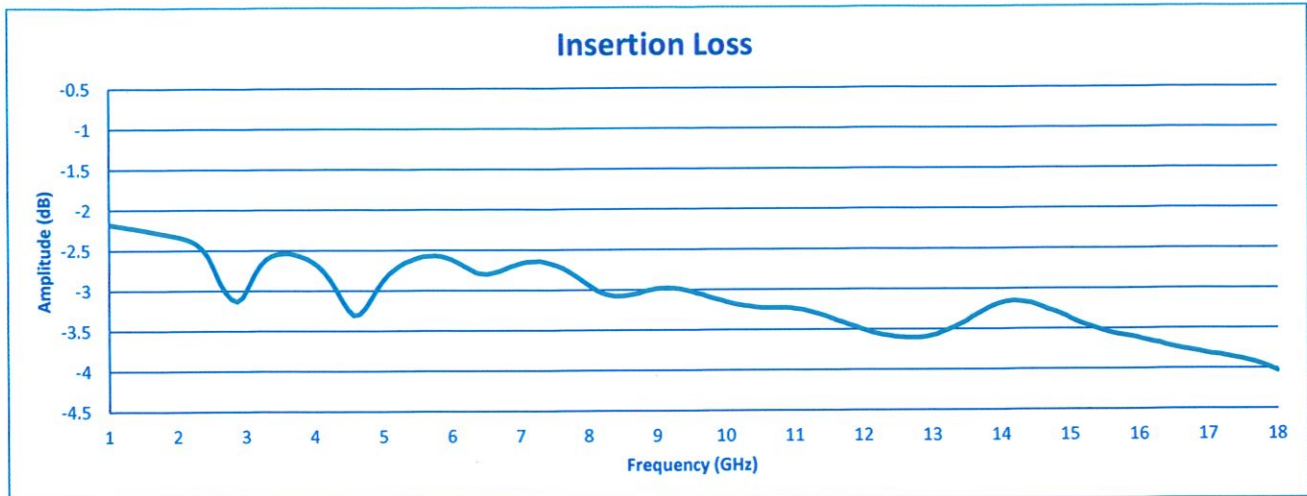
PMI  
QA 2

Date: 1/31/2022



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