

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 24021
 Part No: _____

Tested By: K. Mansfield
 Temperature: +25° C
 Date: 10/20/2022
 Drawing No: 27617783 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.5 dB Max.	4.1 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.43 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.62 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.44 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.1 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.18 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.45 dB See Plot	
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA Max.	114 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.02
0.125	0.13	0.00	0.03
0.25	0.25	0.00	0.05
0.50	0.49	0.01	0.06
1.00	0.99	0.01	0.06
2.00	2.00	0.00	0.10
4.00	4.01	-0.01	0.19
8.00	8.03	-0.03	0.25
16.00	15.96	0.16	0.33
32.00	31.84	0.16	0.57
62.00	61.49	0.51	1.76
63.94	63.66	0.28	2.35

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.21
10.00	10.03	-0.03	0.25
15.00	14.90	0.10	0.31
20.00	19.90	0.10	0.43
25.00	24.85	0.15	0.49
30.00	29.86	0.14	0.56
35.00	34.82	0.18	0.62
40.00	39.83	0.17	0.62
45.00	44.84	0.16	0.67
50.00	49.88	0.12	0.79
55.00	54.82	0.18	0.96
60.00	59.55	0.45	1.44

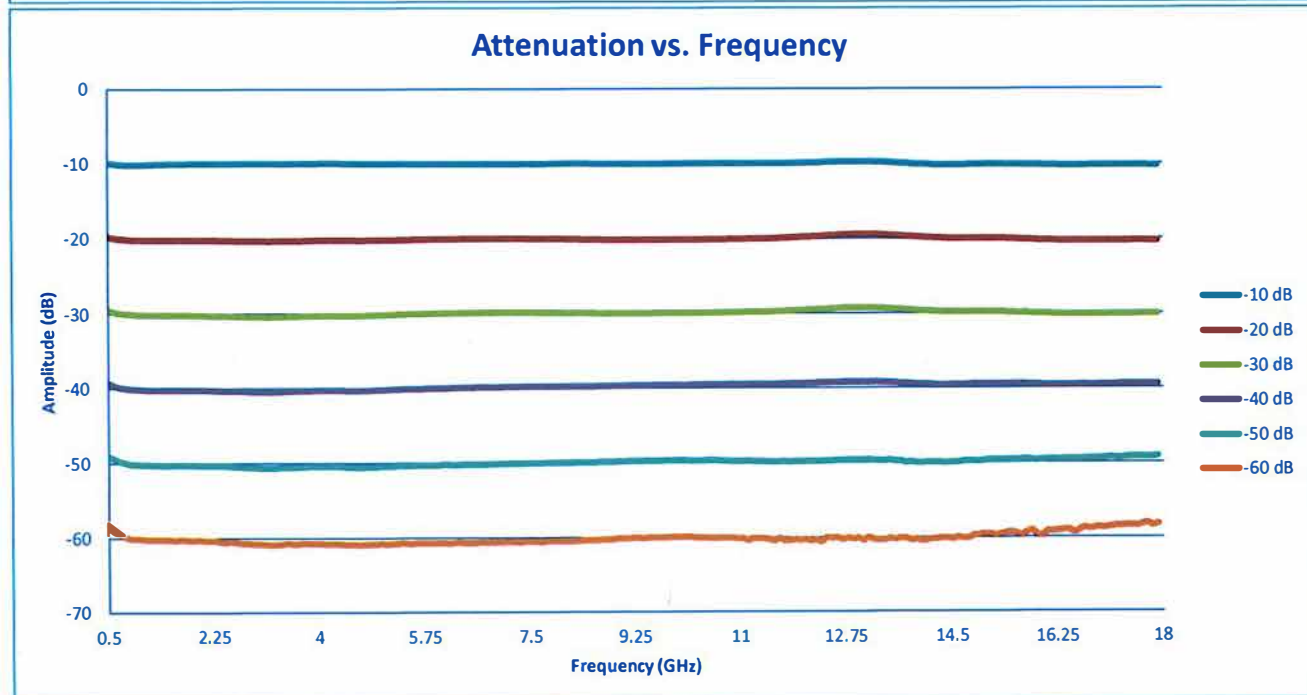
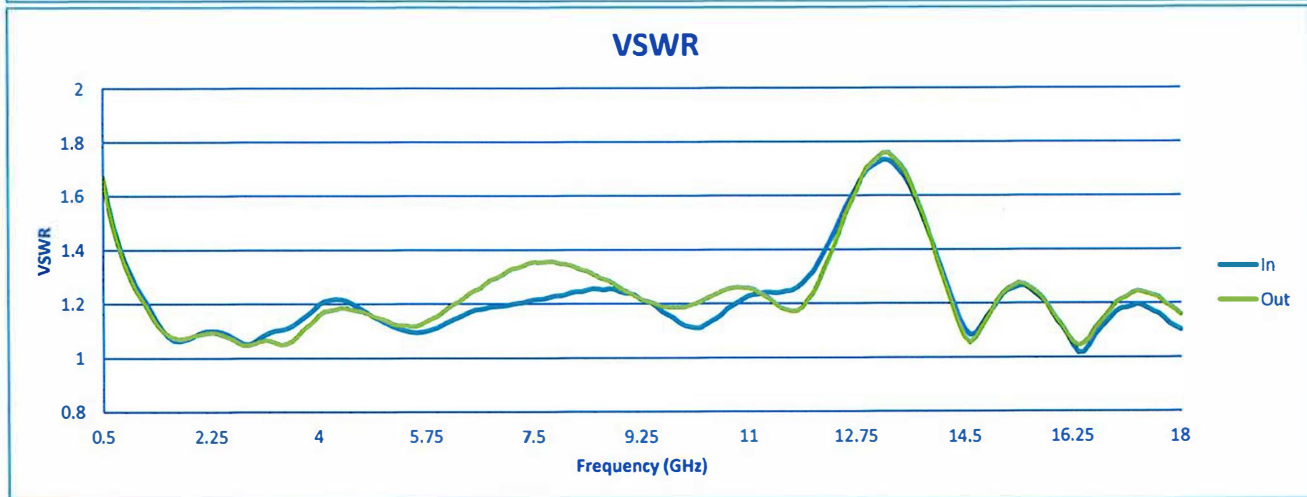
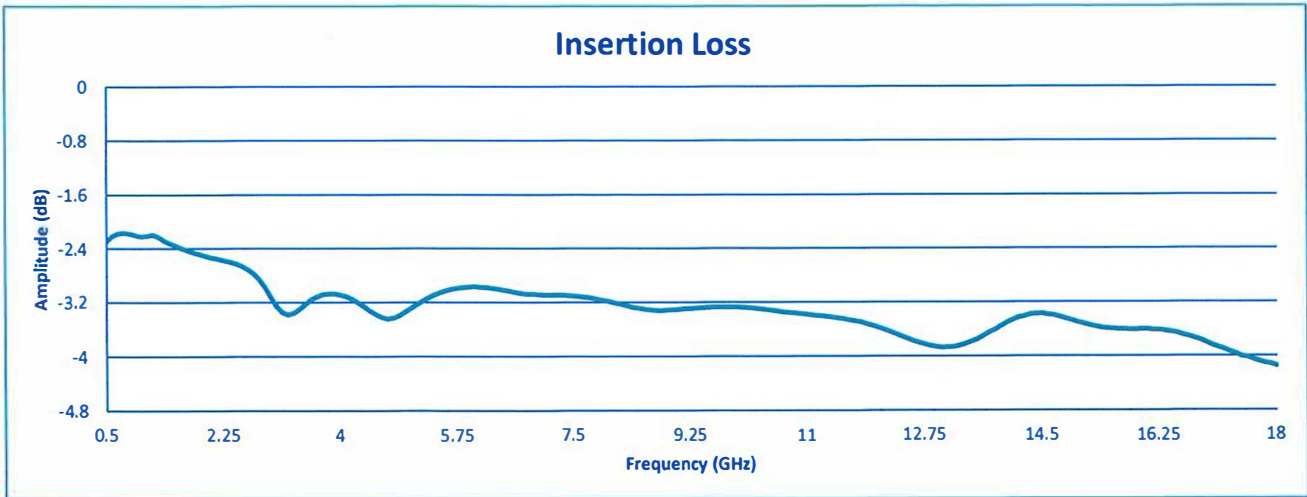
QA/QC Approval: 

PMI
QA2

Date: 10/21/2022

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