

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 24026
 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.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.45 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.56 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.36 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.15 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.15 dB See Plot	
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA Max.	116 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	-0.01	0.03
0.25	0.25	0.00	0.05
0.50	0.49	0.01	0.06
1.00	0.98	0.02	0.06
2.00	2.00	0.00	0.10
4.00	4.03	-0.03	0.18
8.00	8.06	-0.06	0.24
16.00	16.05	-0.07	0.33
32.00	32.07	-0.07	0.51
62.00	62.08	-0.08	1.57
63.94	64.06	-0.12	1.60

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.02	-0.02	0.21
10.00	10.08	-0.08	0.24
15.00	14.99	0.01	0.31
20.00	20.02	-0.02	0.45
25.00	25.01	-0.01	0.50
30.00	30.06	-0.06	0.48
35.00	35.12	-0.12	0.49
40.00	40.15	-0.15	0.56
45.00	45.10	-0.10	0.65
50.00	50.04	-0.04	0.81
55.00	54.92	0.08	1.12
60.00	60.00	0.00	1.36

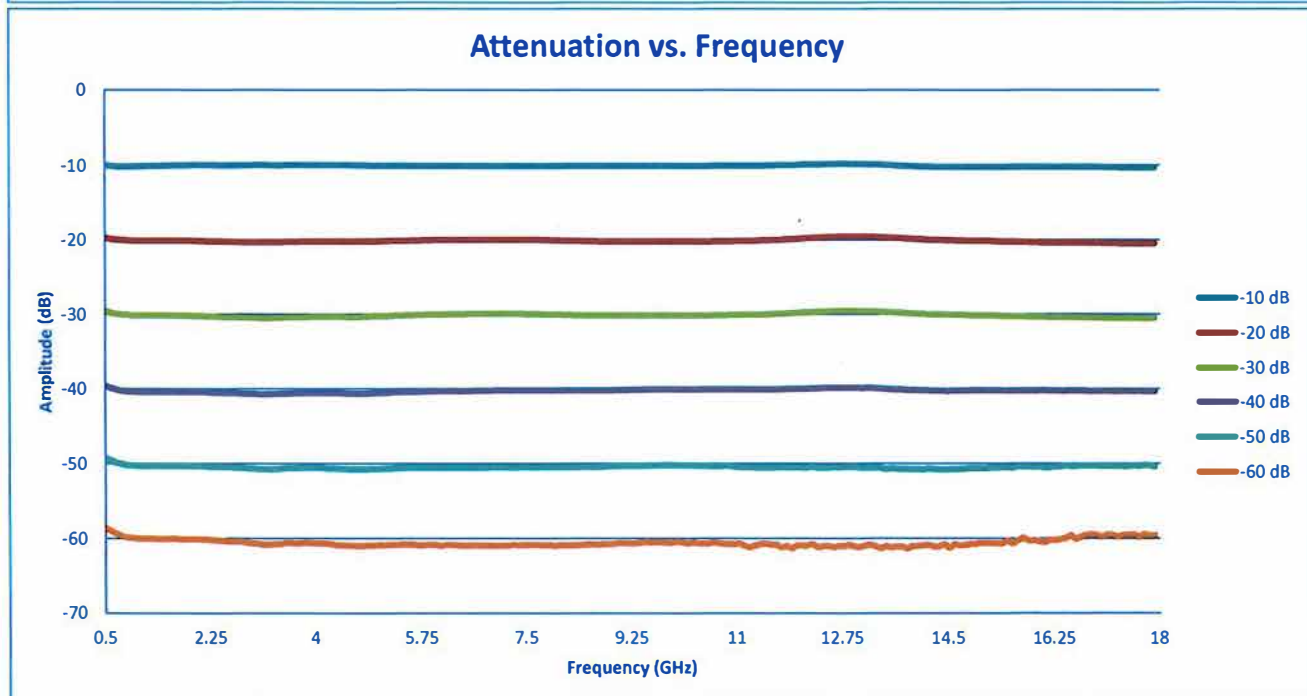
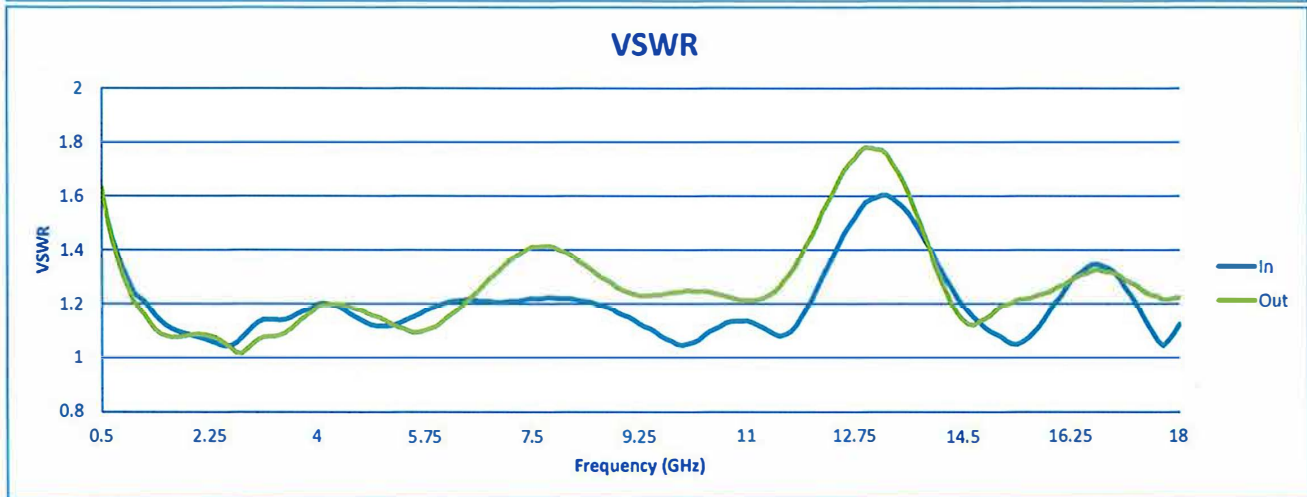
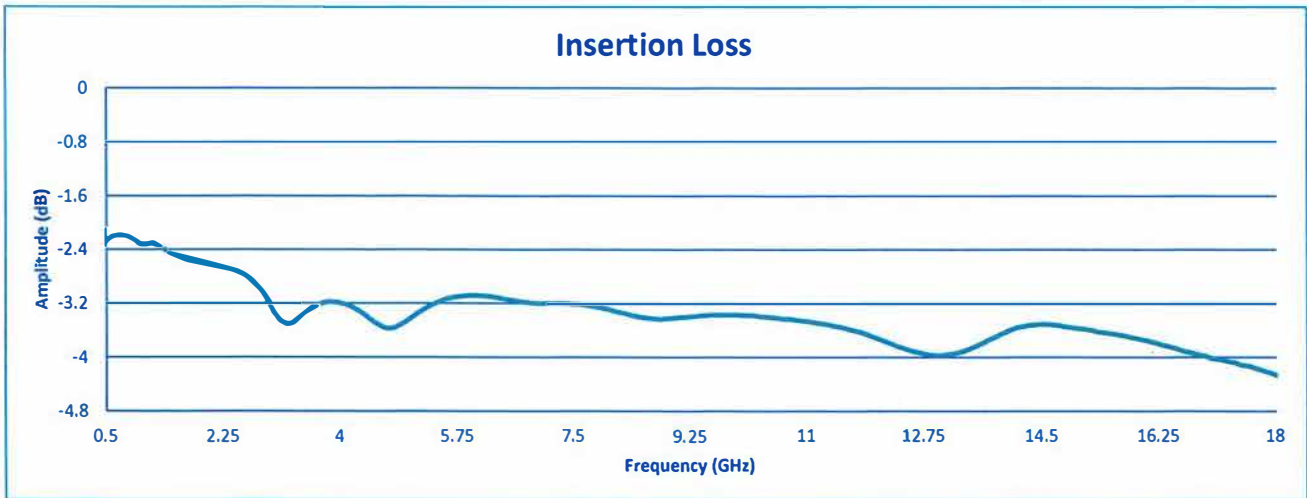
QA/QC Approval: 

PMI
QA2

Date: 10/21/2022

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