

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 24024
 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.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.5 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.	1.57 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.55 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.95 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.28 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		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.02
0.125	0.14	-0.01	0.03
0.25	0.26	-0.01	0.05
0.50	0.52	-0.02	0.07
1.00	1.04	-0.04	0.07
2.00	2.07	-0.07	0.11
4.00	4.13	-0.13	0.19
8.00	8.20	-0.20	0.28
16.00	16.44	-0.87	0.39
32.00	32.87	-0.87	0.54
62.00	63.14	-1.14	2.01
63.94	65.16	-1.22	2.41

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.13	-0.13	0.21
10.00	10.26	-0.26	0.30
15.00	15.36	-0.36	0.36
20.00	20.55	-0.55	0.50
25.00	25.65	-0.65	0.54
30.00	30.84	-0.84	0.56
35.00	35.90	-0.90	0.50
40.00	40.95	-0.95	0.53
45.00	46.02	-1.02	0.64
50.00	51.06	-1.06	0.78
55.00	56.10	-1.10	1.07
60.00	61.28	-1.28	1.57

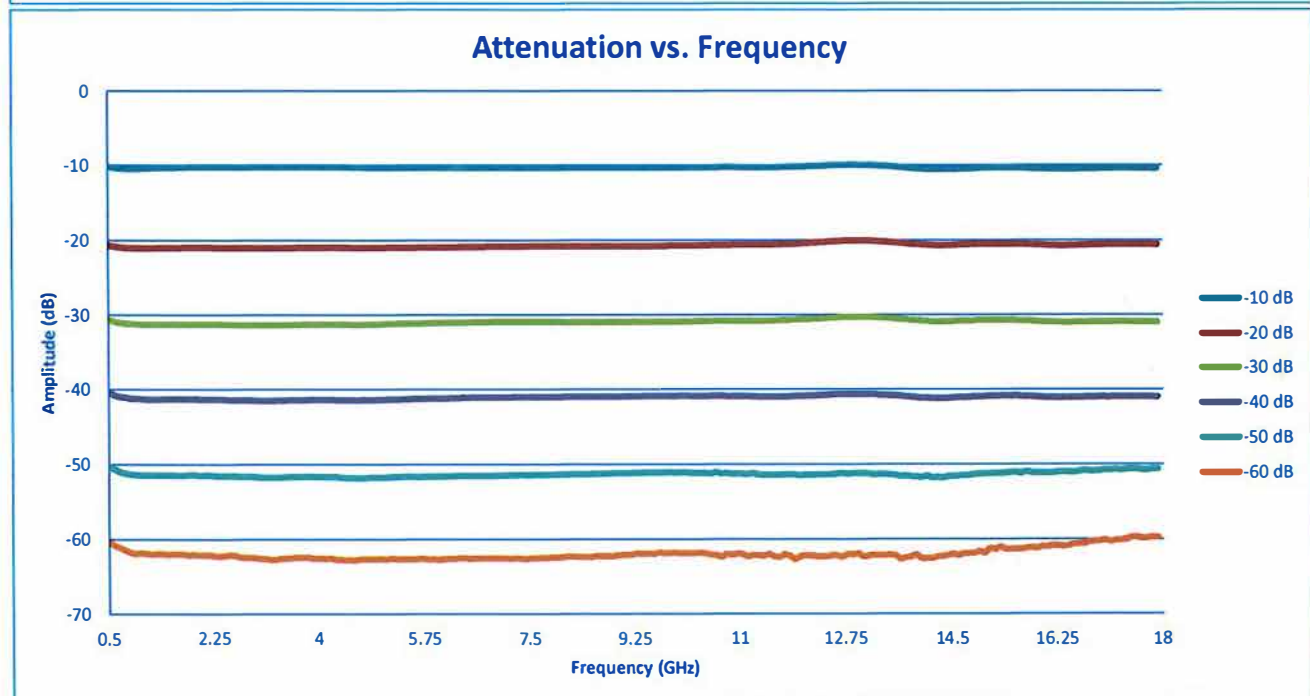
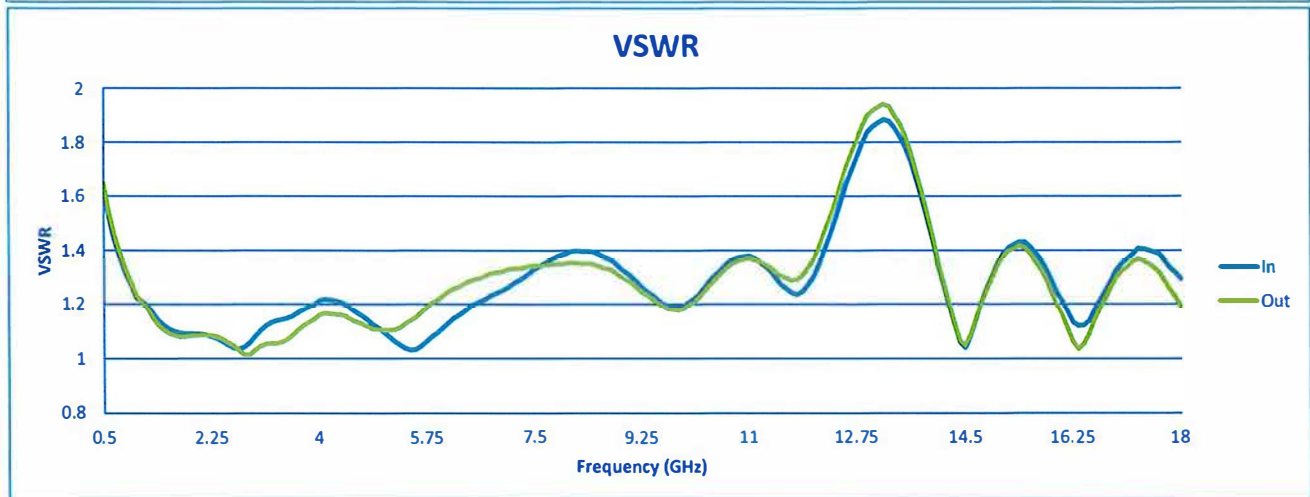
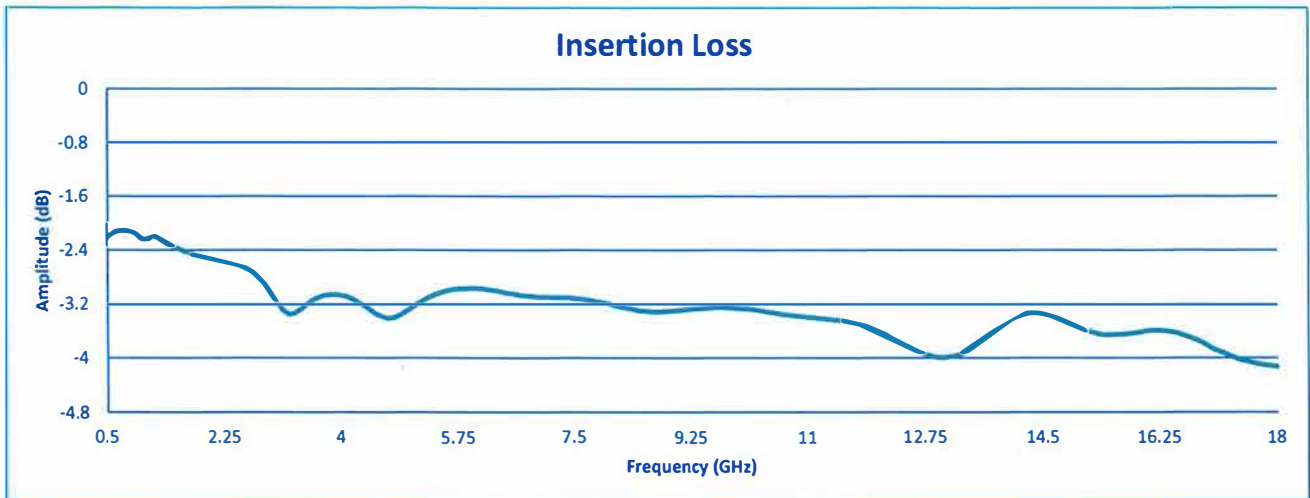
QA/QC Approval: 

PMI
QA2

Date: 10/21/2022

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