

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 24022
 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.	0.5 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.73 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.37 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.31 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.47 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.5 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	115 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	0.13	-0.01	0.03
0.25	0.25	0.00	0.05
0.50	0.51	-0.01	0.06
1.00	1.03	-0.03	0.06
2.00	2.05	-0.05	0.11
4.00	4.09	-0.09	0.19
8.00	8.15	-0.15	0.26
16.00	16.25	-0.41	0.39
32.00	32.41	-0.41	0.67
62.00	62.67	-0.67	1.63
63.94	64.52	-0.58	1.83

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.08	-0.08	0.22
10.00	10.18	-0.18	0.27
15.00	15.18	-0.18	0.36
20.00	20.31	-0.31	0.50
25.00	25.33	-0.33	0.62
30.00	30.41	-0.41	0.65
35.00	35.41	-0.41	0.67
40.00	40.47	-0.47	0.73
45.00	45.40	-0.40	0.68
50.00	50.50	-0.50	0.87
55.00	55.46	-0.46	1.06
60.00	60.47	-0.47	1.37

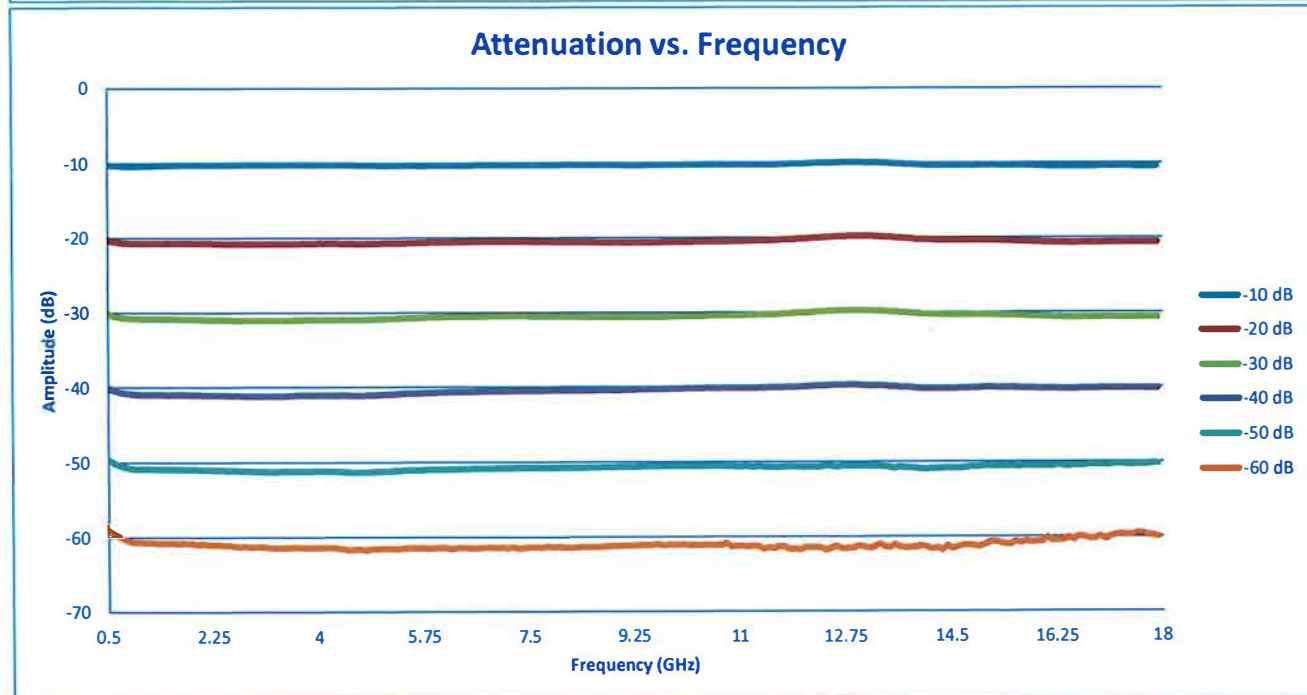
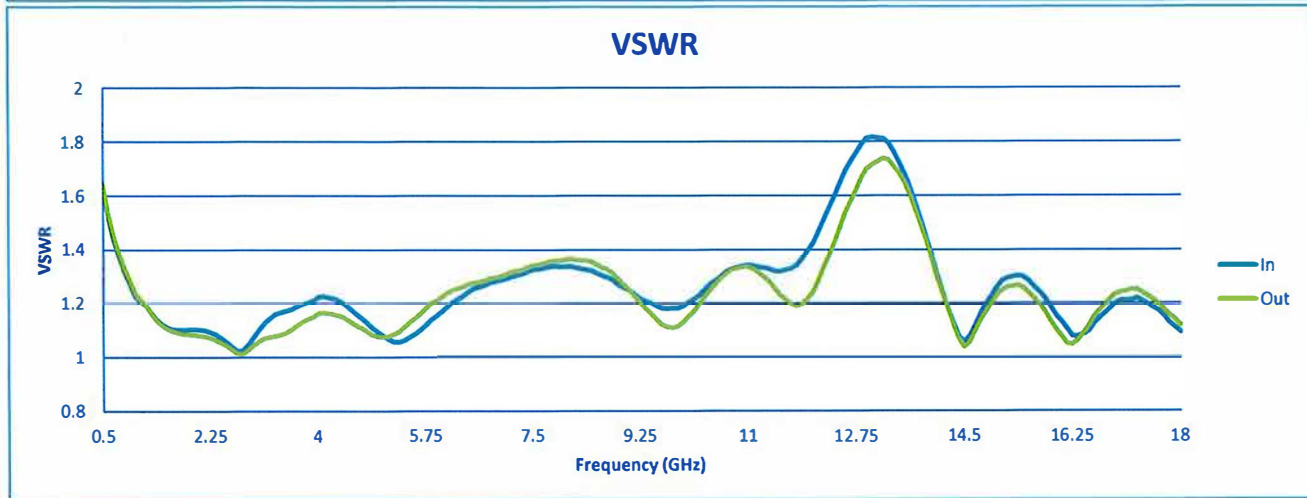
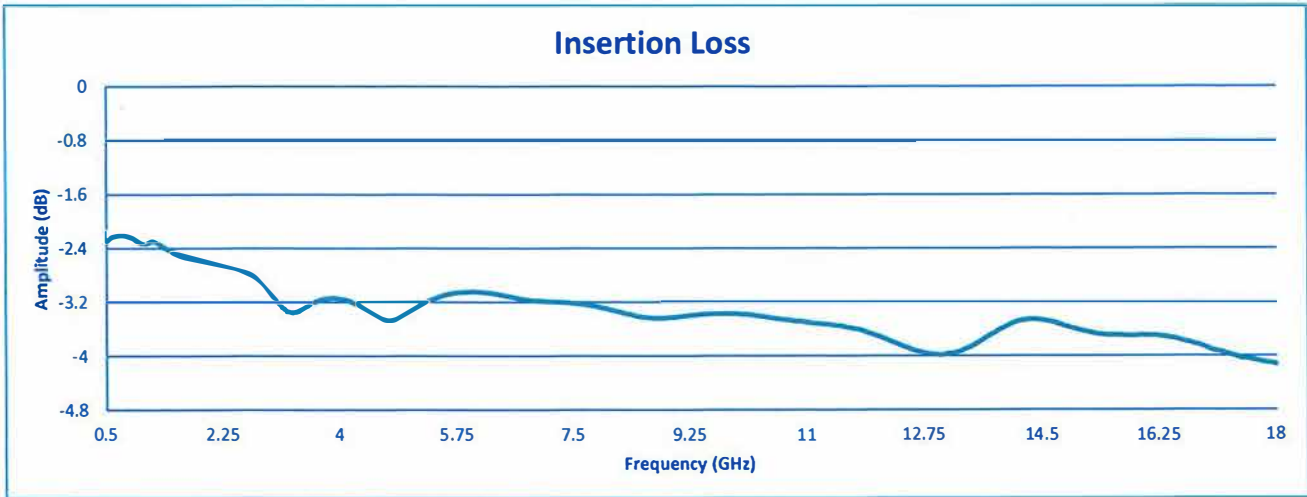
QA/QC Approval: 

PMI
QA2

Date: 10/21/2022

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