

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 24019  
 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.	1.7:1 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.	0.6 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.5 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.53 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.92 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.21 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	113 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	0.00	0.03
0.25	0.26	-0.01	0.05
0.50	0.51	-0.01	0.06
1.00	1.03	-0.03	0.06
2.00	2.06	-0.06	0.08
4.00	4.11	-0.11	0.15
8.00	8.19	-0.19	0.17
16.00	16.42	-0.88	0.31
32.00	32.88	-0.88	0.52
62.00	63.26	-1.26	1.70
63.94	65.24	-1.30	1.83

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.10	-0.10	0.17
10.00	10.24	-0.24	0.18
15.00	15.33	-0.33	0.28
20.00	20.53	-0.53	0.43
25.00	25.64	-0.64	0.50
30.00	30.83	-0.83	0.52
35.00	35.85	-0.85	0.51
40.00	40.92	-0.92	0.60
45.00	45.98	-0.98	0.73
50.00	51.00	-1.00	0.93
55.00	55.96	-0.96	1.15
60.00	61.21	-1.21	1.50

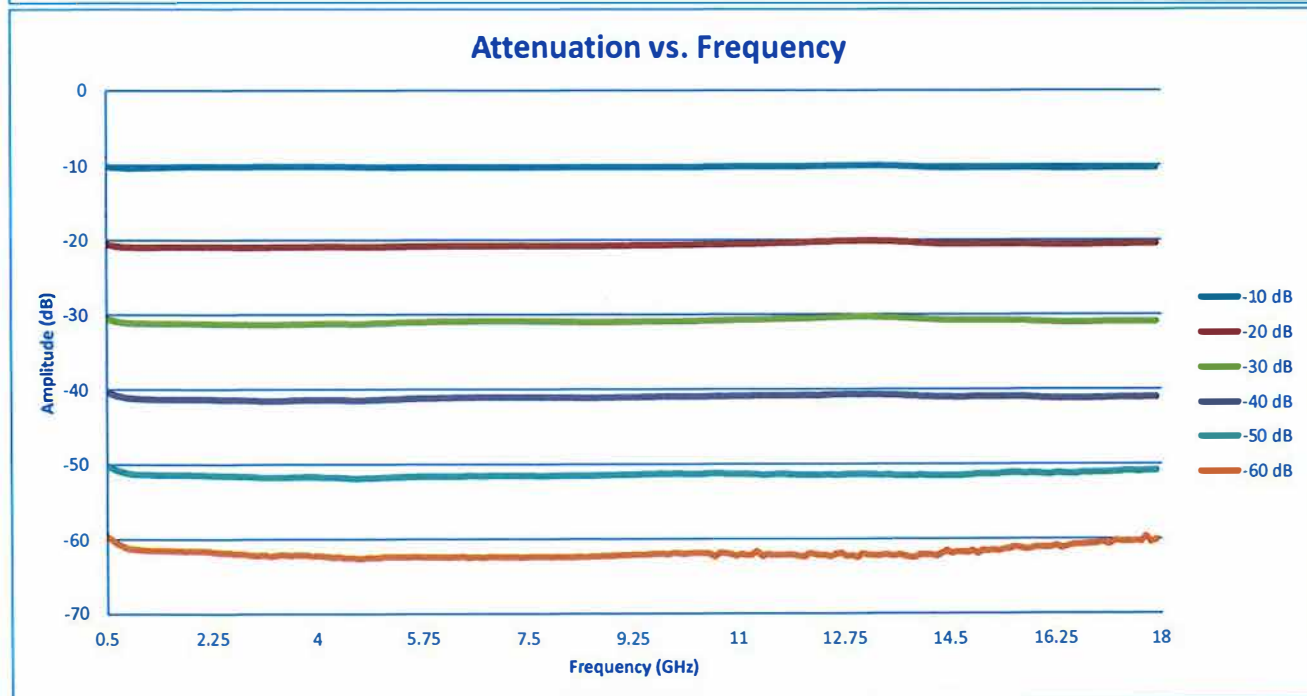
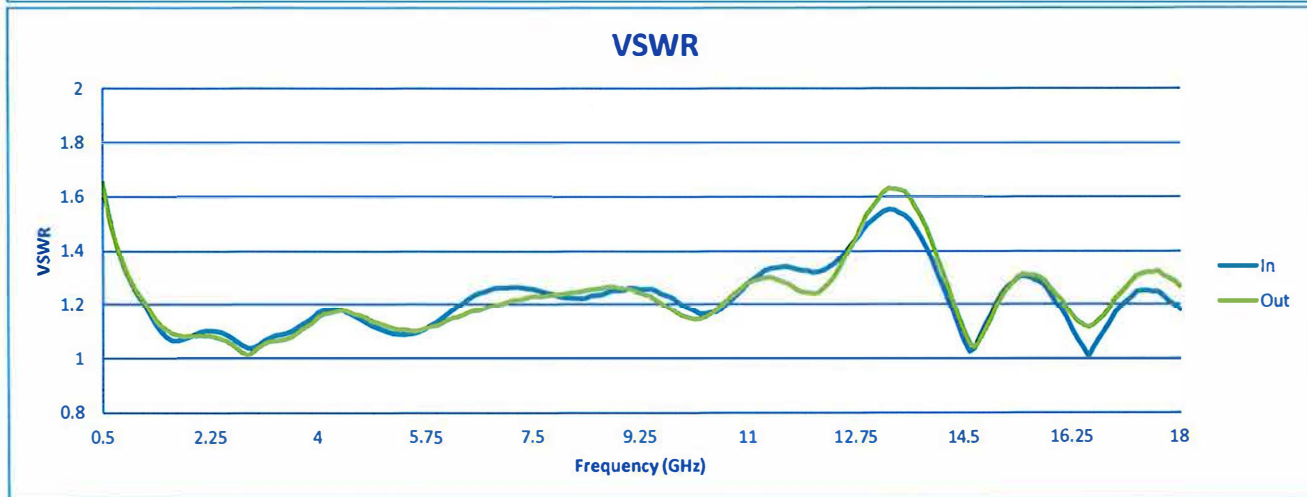
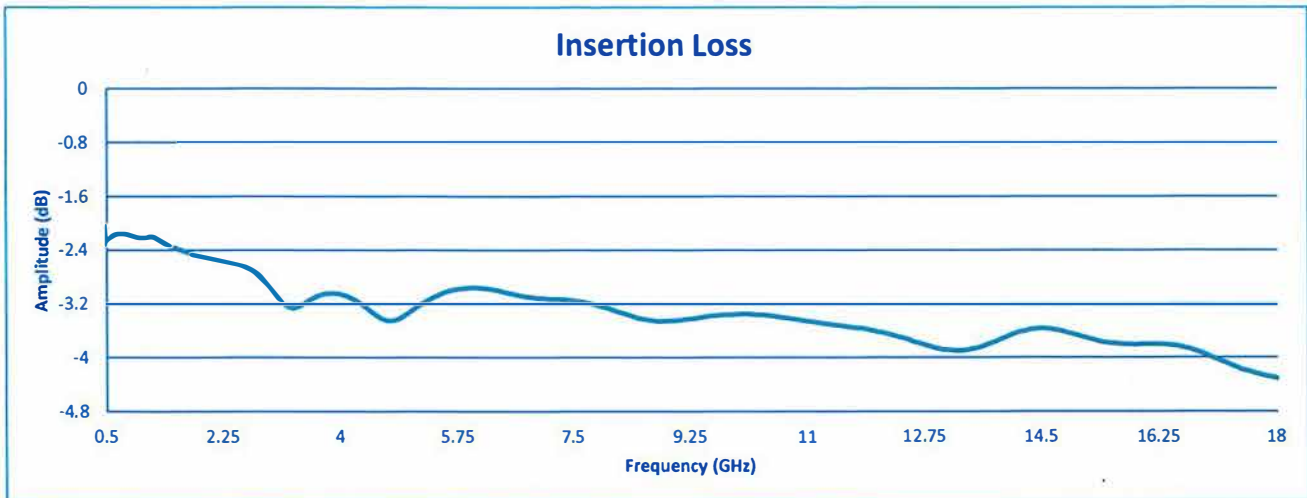
QA/QC Approval: 

PMI  
QA2

Date: 10/21/2022

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