

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 24018  
 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.	0.64 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.89 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.27 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.42 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.48 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		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	0.04
0.25	0.25	0.00	0.05
0.50	0.50	0.00	0.06
1.00	1.01	-0.01	0.06
2.00	2.03	-0.03	0.11
4.00	4.07	-0.07	0.19
8.00	8.13	-0.13	0.25
16.00	16.24	-0.38	0.37
32.00	32.38	-0.38	0.64
62.00	62.49	-0.49	2.34
63.94	64.38	-0.44	2.59

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.06	-0.06	0.22
10.00	10.15	-0.15	0.25
15.00	15.17	-0.17	0.34
20.00	20.27	-0.27	0.50
25.00	25.28	-0.28	0.59
30.00	30.37	-0.37	0.63
35.00	35.37	-0.37	0.61
40.00	40.42	-0.42	0.60
45.00	45.44	-0.44	0.70
50.00	50.48	-0.48	0.84
55.00	55.34	-0.34	1.31
60.00	60.45	-0.45	1.89

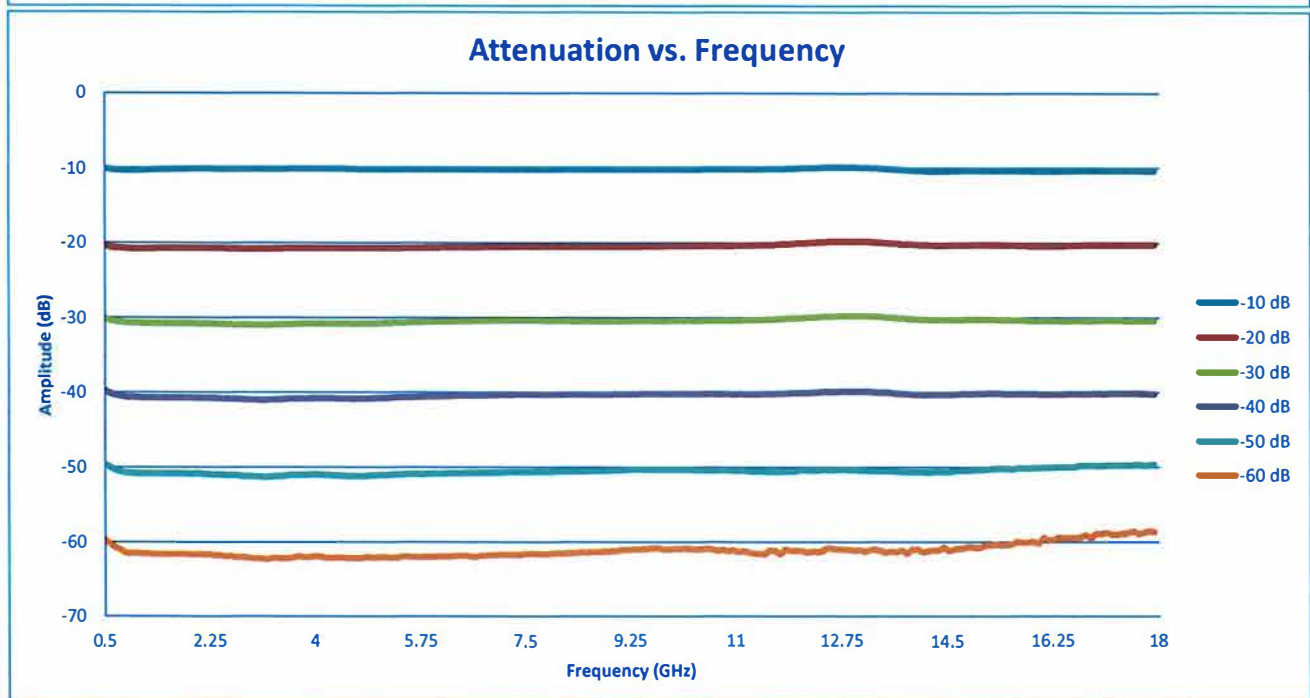
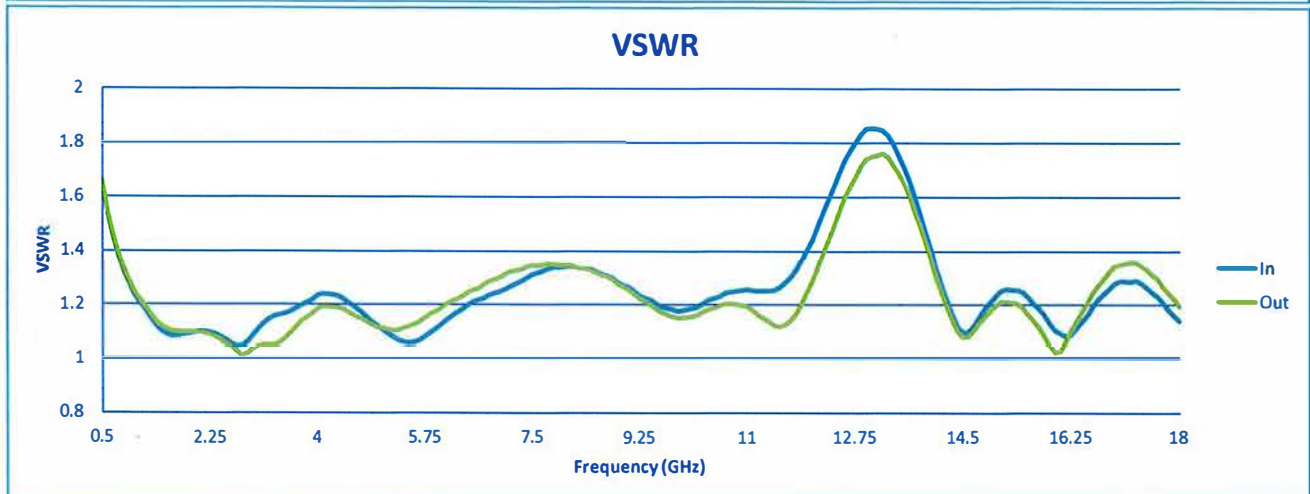
QA/QC Approval: \_\_\_\_\_

PMI  
QA2

Date: 10/21/2022

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