

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 23479  
 Part No: \_\_\_\_\_

Tested By: K. Mansfield  
 Temperature: +25° C  
 Date: 1/19/2022  
 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 QA 2	
2	Insertion Loss:	4.5 dB Max.	3.7 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.	0.7 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.63 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.19 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.3 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.39 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	114 mA		PMI QA 2

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
0.0625	0.06	0.00	0.01
0.125	0.12	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	1.01	-0.01	0.07
2.00	2.02	-0.02	0.11
4.00	4.03	-0.03	0.21
8.00	8.07	-0.07	0.28
16.00	16.15	-0.30	0.44
32.00	32.30	-0.30	0.68
62.00	62.43	-0.43	1.78
63.94	64.47	-0.53	2.01

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
5.00	5.02	-0.02	0.24
10.00	10.10	-0.10	0.32
15.00	15.08	-0.08	0.42
20.00	20.19	-0.19	0.50
25.00	25.21	-0.21	0.60
30.00	30.28	-0.28	0.70
35.00	35.29	-0.29	0.66
40.00	40.27	-0.27	0.63
45.00	45.25	-0.25	0.67
50.00	50.27	-0.27	0.74
55.00	55.25	-0.25	0.91
60.00	60.39	-0.39	1.63

QA/QC Approval: 

PMI  
QA 2

Date: 1/20/2022

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23479

