

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 23451  
 Part No: \_\_\_\_\_

Tested By: K. Mansfield  
 Temperature: +25° C  
 Date: 1/18/2022  
 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.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.47 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.55 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.81 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.1 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.2 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.26 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	113 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	0.24	0.01	0.02
0.50	0.49	0.01	0.03
1.00	1.00	0.00	0.07
2.00	2.01	-0.01	0.12
4.00	4.02	-0.02	0.23
8.00	8.07	-0.07	0.30
16.00	16.08	-0.17	0.36
32.00	32.17	-0.17	0.49
62.00	62.12	-0.12	2.45
63.94	64.07	-0.13	3.13

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
5.00	5.01	-0.01	0.27
10.00	10.10	-0.10	0.28
15.00	15.02	-0.02	0.34
20.00	20.09	-0.09	0.47
25.00	25.09	-0.09	0.49
30.00	30.17	-0.17	0.49
35.00	35.18	-0.18	0.55
40.00	40.20	-0.20	0.55
45.00	45.22	-0.22	0.48
50.00	50.23	-0.23	0.63
55.00	55.19	-0.19	0.99
60.00	60.26	-0.26	1.81

QA/QC Approval: 

PMI  
QA 2

Date: 1/20/2022

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23451

