

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 23457  
 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.	0.48 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.54 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.92 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.71 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1.12 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.93 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	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.0625	0.05	0.01	0.01
0.125	0.12	0.01	0.02
0.25	0.26	-0.01	0.03
0.50	0.52	-0.02	0.04
1.00	1.03	-0.03	0.07
2.00	2.05	-0.05	0.15
4.00	4.09	-0.09	0.24
8.00	8.19	-0.19	0.28
16.00	16.52	-1.09	0.37
32.00	33.09	-1.09	0.52
62.00	63.72	-1.72	1.84
63.94	65.92	-1.98	2.18

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	5.08	-0.08	0.27
10.00	10.25	-0.25	0.25
15.00	15.39	-0.39	0.34
20.00	20.71	-0.71	0.48
25.00	25.87	-0.87	0.54
30.00	31.01	-1.01	0.52
35.00	36.11	-1.11	0.50
40.00	41.12	-1.12	0.53
45.00	46.16	-1.16	0.58
50.00	51.49	-1.49	0.65
55.00	56.60	-1.60	1.01
60.00	61.93	-1.93	1.92

QA/QC Approval: 

PMI  
QA 2

Date: 1/20/2022

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23457

