

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 23448  
 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.	0.42 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.59 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.61 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.05 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.12 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.24 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	0.99	0.01	0.07
2.00	2.00	0.00	0.12
4.00	4.00	0.00	0.22
8.00	8.02	-0.02	0.31
16.00	16.03	-0.10	0.41
32.00	32.10	-0.10	0.52
62.00	62.34	-0.34	2.06
63.94	64.36	-0.42	2.68

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	4.98	0.02	0.26
10.00	10.03	-0.03	0.32
15.00	14.96	0.04	0.39
20.00	20.05	-0.05	0.42
25.00	25.04	-0.04	0.46
30.00	30.09	-0.09	0.49
35.00	35.06	-0.06	0.53
40.00	40.12	-0.12	0.59
45.00	45.09	-0.09	0.61
50.00	50.16	-0.16	0.63
55.00	55.17	-0.17	1.12
60.00	60.24	-0.24	1.61

QA/QC Approval: 

PMI  
QA 2

Date: 1/20/2022

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23448

