

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 23454
 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.	0.51 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.62 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.37 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.07 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.	0.08 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	111 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	0.11	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	1.00	0.00	0.07
2.00	2.01	-0.01	0.14
4.00	4.01	-0.01	0.26
8.00	8.02	-0.02	0.34
16.00	15.96	0.12	0.49
32.00	31.88	0.12	0.60
62.00	61.86	0.14	1.72
63.94	63.95	-0.01	2.05

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	5.00	0.00	0.30
10.00	10.02	-0.02	0.38
15.00	14.93	0.07	0.47
20.00	19.96	0.04	0.51
25.00	24.89	0.11	0.58
30.00	29.91	0.09	0.62
35.00	34.93	0.07	0.57
40.00	40.00	0.00	0.58
45.00	44.99	0.01	0.62
50.00	49.95	0.05	0.65
55.00	54.98	0.02	0.86
60.00	59.92	0.08	1.37

QA/QC Approval: 

PMI
QA 2

Date: 1/20/2022

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23454

