

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 23447
 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.	3.5 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.44 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.51 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.45 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.13 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.27 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.33 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	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
0.0625	0.05	0.01	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	0.06
2.00	2.01	-0.01	0.10
4.00	4.03	-0.03	0.19
8.00	8.06	-0.06	0.26
16.00	16.10	-0.22	0.35
32.00	32.22	-0.22	0.46
62.00	62.31	-0.31	1.72
63.94	64.32	-0.38	2.42

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	5.02	-0.02	0.23
10.00	10.09	-0.09	0.27
15.00	15.04	-0.04	0.34
20.00	20.13	-0.13	0.44
25.00	25.13	-0.13	0.48
30.00	30.21	-0.21	0.45
35.00	35.24	-0.24	0.51
40.00	40.27	-0.27	0.49
45.00	45.29	-0.29	0.51
50.00	50.33	-0.33	0.64
55.00	55.25	-0.25	0.86
60.00	60.26	-0.26	1.45

QA/QC Approval: 

PMI
QA 2

Date: 1/20/2022

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23447

