


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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 23478
 Part No: _____

Tested By: K. Mansfield
 Temperature: +25° C
 Date: 1/19/2022
 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.	3.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.52 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.	1.58 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.29 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.42 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.56 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	0.12	0.00	0.01
0.25	0.26	-0.01	0.02
0.50	0.51	-0.01	0.03
1.00	1.01	-0.01	0.07
2.00	2.02	-0.02	0.12
4.00	4.04	-0.04	0.22
8.00	8.06	-0.06	0.29
16.00	16.19	-0.41	0.40
32.00	32.41	-0.41	0.56
62.00	62.80	-0.80	1.88
63.94	64.66	-0.73	2.59

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
5.00	5.02	-0.02	0.26
10.00	10.10	-0.10	0.30
15.00	15.11	-0.11	0.38
20.00	20.29	-0.29	0.52
25.00	25.36	-0.36	0.57
30.00	30.42	-0.42	0.54
35.00	35.40	-0.40	0.53
40.00	40.34	-0.34	0.59
45.00	45.32	-0.32	0.67
50.00	50.47	-0.47	0.84
55.00	55.50	-0.50	1.01
60.00	60.56	-0.56	1.58

QA/QC Approval: 

PMI
QA 2

Date: 1/20/2022

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23478

