

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 23480
 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.	3.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.39 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.	1.47 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.18 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.46 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	112 mA		PMI QA 2

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
0.0625	0.06	0.01	0.01
0.125	0.12	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	2.02	-0.02	0.12
4.00	4.03	-0.03	0.22
8.00	8.04	-0.04	0.28
16.00	16.08	-0.18	0.37
32.00	32.18	-0.18	0.53
62.00	62.21	-0.21	1.53
63.94	64.40	-0.46	1.90

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
5.00	5.02	-0.02	0.25
10.00	10.05	-0.05	0.27
15.00	15.02	-0.02	0.35
20.00	20.08	-0.08	0.39
25.00	25.08	-0.08	0.49
30.00	30.18	-0.18	0.52
35.00	35.15	-0.15	0.56
40.00	40.07	-0.07	0.59
45.00	45.02	-0.02	0.63
50.00	50.02	-0.02	0.77
55.00	55.28	-0.28	0.85
60.00	60.46	-0.46	1.47

QA/QC Approval: 

PMI
QA 2

Date: 1/20/2022

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