

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

Customer: _____

Tested By: K. Mansfield

SO No: _____

Temperature: +25° C

Model No: DTA-0R5G18G-60-CD-1

Date: 1/18/2022

Serial No: 23455

Drawing No: 27617783

Rev: A1

Part No: _____

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.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.5 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.56 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.95 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.1 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.	0.1 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	0.06	0.00	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	0.99	0.01	0.07
2.00	2.00	0.00	0.11
4.00	3.99	0.01	0.21
8.00	8.00	0.00	0.29
16.00	15.95	0.09	0.40
32.00	31.91	0.09	0.50
62.00	61.85	0.15	2.29
63.94	63.88	0.06	3.24

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.97	0.03	0.25
10.00	10.00	0.00	0.29
15.00	14.90	0.10	0.37
20.00	19.92	0.08	0.50
25.00	24.88	0.12	0.54
30.00	29.89	0.11	0.50
35.00	34.91	0.09	0.56
40.00	39.91	0.09	0.56
45.00	44.93	0.07	0.50
50.00	49.91	0.09	0.67
55.00	54.90	0.10	1.07
60.00	59.93	0.07	1.95

QA/QC Approval: _____



PMI
QA 2

Date: 1/20/2022

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

23455

