



SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27334/1951

Tested By: K. Mansfield
 Date: Friday, March 25, 2022
 Temperature: +25° C
 Drawing No: 27637160 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.4 GHz – 18 GHz	0.4 GHz – 18 GHz	PMI QA 2
2	Insertion Loss:	4.8 dB Max.	3.9 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±1.15 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±2.72 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±5.49 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.68 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±1.28 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±2.22 dB See Plot	
11	Switching Speed:	1.0 µs Max. On 0.5 µs Max. Off	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA	111 mA	PMI QA 2

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
0.0625	0.05	0.01	0.01
0.125	0.10	0.02	0.02
0.25	0.21	0.04	0.04
0.50	0.43	0.07	0.06
1.00	0.84	0.16	0.08
2.00	1.68	0.32	0.11
4.00	3.49	0.51	0.19
8.00	7.55	0.45	0.34
16.00	15.89	-0.74	0.72
32.00	32.74	-0.74	1.93
62.00	64.43	-2.43	6.36
63.94	66.47	-2.53	7.22

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	4.32	0.68	0.21
10.00	9.60	0.40	0.43
15.00	14.77	0.23	0.67
20.00	20.16	-0.16	1.15
25.00	25.44	-0.44	1.67
30.00	30.69	-0.69	1.87
35.00	35.85	-0.85	2.16
40.00	41.28	-1.28	2.72
45.00	46.59	-1.59	3.25
50.00	51.78	-1.78	3.63
55.00	56.73	-1.73	4.06
60.00	62.22	-2.22	5.49

QA/QC Approval: 

PMI
QA 2

Date: 3/25/2022



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