



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R4G18G-60-CD-1  
 Serial No: PL33687/2134

Tested By: K. Mansfield  
 Date: Friday, August 27, 2021  
 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 QA2	
2	Insertion Loss:	4.8 dB Max.	3.8 dB See Plot	PMI QA2	
3	VSWR:	2.0:1 Max.	1.7:1 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.	±1.09 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.19 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.27 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.37 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±1.31 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	106 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	-0.06	0.12	0.01
0.125	0.00	0.13	0.00
0.25	0.13	0.12	0.01
0.50	0.37	0.13	0.03
1.00	0.88	0.12	0.06
2.00	1.88	0.12	0.15
4.00	3.87	0.13	0.29
8.00	7.81	0.19	0.45
16.00	15.90	0.03	0.45
32.00	31.97	0.03	0.82
62.00	60.60	1.40	3.75
63.94	62.94	1.00	4.98

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.73	0.27	0.34
10.00	9.81	0.19	0.49
15.00	14.84	0.16	0.46
20.00	19.92	0.08	0.52
25.00	24.89	0.11	0.70
30.00	29.96	0.04	0.81
35.00	34.84	0.16	0.90
40.00	39.63	0.37	1.09
45.00	44.44	0.56	1.30
50.00	49.18	0.82	1.61
55.00	53.87	1.13	2.12
60.00	58.69	1.31	3.19

QA/QC Approval: 

PMI QA2

Date: 8/30/2021



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