



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R4G18G-60-CD-1  
 Serial No: PL27921/2008

Tested By: K. Mansfield  
 Date: Thursday, February 27, 2020  
 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 1	
2	Insertion Loss:	4.8 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.	±0.53 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.29 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.	±0.15 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.2 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	112 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.04	0.02	0.01
0.125	0.11	0.02	0.01
0.25	0.24	0.01	0.02
0.50	0.48	0.02	0.04
1.00	0.99	0.01	0.07
2.00	2.00	0.00	0.15
4.00	4.01	-0.01	0.32
8.00	8.01	-0.01	0.53
16.00	15.95	0.10	0.44
32.00	31.90	0.10	0.70
62.00	61.87	0.13	5.18
63.94	63.66	0.28	6.02

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.41
10.00	9.99	0.01	0.46
15.00	14.90	0.10	0.45
20.00	19.91	0.09	0.48
25.00	24.86	0.14	0.54
30.00	29.90	0.10	0.65
35.00	34.85	0.15	0.80
40.00	39.87	0.13	1.00
45.00	44.80	0.20	1.32
50.00	49.86	0.14	1.85
55.00	54.86	0.14	2.72
60.00	59.89	0.11	4.29

QA/QC Approval:  PMI QA 1

Date: 2/27/20



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