



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27923/2008

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.	1.9:1 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.	±1.05 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.28 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.06 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.02 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.08 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	0.05	0.01	0.01
0.125	0.11	0.02	0.01
0.25	0.25	0.00	0.02
0.50	0.49	0.01	0.04
1.00	0.99	0.01	0.09
2.00	1.99	0.01	0.15
4.00	4.00	0.00	0.28
8.00	8.02	-0.02	0.43
16.00	16.00	-0.02	0.45
32.00	32.02	-0.02	0.74
62.00	62.00	0.00	5.04
63.94	63.95	-0.02	6.12

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.33
10.00	10.02	-0.02	0.44
15.00	14.94	0.06	0.44
20.00	19.98	0.02	0.50
25.00	24.98	0.02	0.56
30.00	30.00	0.00	0.69
35.00	35.01	-0.01	0.84
40.00	40.02	-0.02	1.05
45.00	44.98	0.02	1.37
50.00	50.00	0.00	1.90
55.00	54.92	0.08	2.71
60.00	59.96	0.04	4.28

QA/QC Approval:  PMI
QA 1

Date: 2/27/20



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