



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27926/2008

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.	3.5 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.55 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.15 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.83 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.13 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.4 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.46 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	114 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	0.25	0.00	0.02
0.50	0.50	0.00	0.04
1.00	0.99	0.01	0.07
2.00	2.00	0.00	0.15
4.00	4.02	-0.02	0.34
8.00	8.03	-0.03	0.55
16.00	16.09	-0.26	0.42
32.00	32.26	-0.26	0.85
62.00	62.71	-0.71	5.59
63.94	64.98	-1.04	6.91

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.43
10.00	10.05	-0.05	0.49
15.00	15.04	-0.04	0.44
20.00	20.13	-0.13	0.46
25.00	25.13	-0.13	0.59
30.00	30.22	-0.22	0.78
35.00	35.26	-0.26	1.00
40.00	40.40	-0.40	1.15
45.00	45.35	-0.35	1.74
50.00	50.42	-0.42	2.11
55.00	55.46	-0.46	3.36
60.00	60.29	-0.29	4.83

QA/QC Approval: *[Signature]* PMI QA 1

Date: 2/27/20



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