



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27505/2003

Tested By: K. Mansfield
 Date: Tuesday, January 14, 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.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.51 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.	±4.27 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.08 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.16 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.25 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 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.02	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	1.00	0.00	0.07
2.00	2.01	-0.01	0.16
4.00	4.02	-0.02	0.32
8.00	8.05	-0.05	0.47
16.00	16.07	-0.15	0.46
32.00	32.15	-0.15	0.74
62.00	62.21	-0.21	5.37
63.94	64.22	-0.29	6.21

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.39
10.00	10.05	-0.05	0.42
15.00	14.99	0.01	0.44
20.00	20.08	-0.08	0.51
25.00	25.07	-0.07	0.56
30.00	30.13	-0.13	0.69
35.00	35.12	-0.12	0.82
40.00	40.16	-0.16	1.00
45.00	45.18	-0.18	1.32
50.00	50.23	-0.23	1.86
55.00	55.21	-0.21	2.73
60.00	60.25	-0.25	4.27

QA/QC Approval: *[Signature]*

PMI
QA 1

Date: 1/15/20



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