



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27521/2003

Tested By: K. Mansfield
 Date: Wednesday, March 04, 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 QA1	
2	Insertion Loss:	4.8 dB Max.	3.5 dB See Plot	PMI QA1	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.54 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.18 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±5.17 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.05 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.13 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.14 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 QA1

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	0.49	0.01	0.04
1.00	0.99	0.01	0.07
2.00	1.99	0.01	0.16
4.00	4.01	-0.01	0.32
8.00	8.04	-0.04	0.50
16.00	16.03	-0.11	0.49
32.00	32.11	-0.11	0.85
62.00	62.13	-0.13	6.34
63.94	64.00	-0.06	7.65

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.39
10.00	10.03	-0.03	0.44
15.00	14.95	0.05	0.47
20.00	20.03	-0.03	0.54
25.00	25.04	-0.04	0.63
30.00	30.09	-0.09	0.78
35.00	35.10	-0.10	0.94
40.00	40.13	-0.13	1.18
45.00	45.12	-0.12	1.56
50.00	50.14	-0.14	2.23
55.00	55.13	-0.13	3.36
60.00	59.98	0.02	5.17

QA/QC Approval:  PMI QA1

Date: 3/5/20



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

PL27521/2003

