



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27627/2004

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.	3.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.67 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.19 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.72 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.24 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.63 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.84 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	110 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	0.10	0.02	0.01
0.25	0.24	0.01	0.03
0.50	0.48	0.02	0.05
1.00	0.98	0.02	0.10
2.00	1.97	0.03	0.19
4.00	3.96	0.04	0.34
8.00	8.01	-0.01	0.51
16.00	16.15	-0.57	0.54
32.00	32.57	-0.57	0.86
62.00	62.81	-0.81	5.72
63.94	64.80	-0.87	6.95

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.79	0.21	0.39
10.00	10.05	-0.05	0.55
15.00	15.07	-0.07	0.55
20.00	20.24	-0.24	0.67
25.00	25.33	-0.33	0.76
30.00	30.48	-0.48	0.80
35.00	35.59	-0.59	0.95
40.00	40.63	-0.63	1.19
45.00	45.65	-0.65	1.58
50.00	50.73	-0.73	2.05
55.00	55.84	-0.84	3.19
60.00	60.64	-0.64	4.72

QA/QC Approval:  PMI QA1

Date: 3/5/20



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