



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27674/2005

Tested By: K. Mansfield
 Date: Friday, January 31, 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.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.47 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.	±4.84 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.09 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.2 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.32 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	0.01	0.01
0.125	0.11	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.49	0.01	0.04
1.00	0.98	0.02	0.07
2.00	2.00	0.00	0.16
4.00	4.00	0.00	0.30
8.00	8.01	-0.01	0.47
16.00	15.95	0.14	0.35
32.00	31.86	0.14	0.80
62.00	61.70	0.30	5.57
63.94	63.80	0.14	6.17

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.98	0.02	0.37
10.00	10.00	0.00	0.41
15.00	14.91	0.09	0.38
20.00	19.94	0.06	0.41
25.00	24.84	0.16	0.58
30.00	29.84	0.16	0.75
35.00	34.80	0.20	0.92
40.00	39.81	0.19	1.00
45.00	44.71	0.29	1.67
50.00	49.70	0.30	2.03
55.00	54.68	0.32	3.30
60.00	59.72	0.28	4.84

QA/QC Approval: PMI QA 1

Date: 2/2/20



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