



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: Monday, January 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 QA1	
2	Insertion Loss:	4.8 dB Max.	3.9 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.62 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.2 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.62 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.25 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.64 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.76 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	0.11	0.01	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.05
1.00	1.02	-0.02	0.11
2.00	2.02	-0.02	0.20
4.00	4.04	-0.04	0.35
8.00	8.08	-0.08	0.50
16.00	16.19	-0.54	0.51
32.00	32.54	-0.54	0.90
62.00	62.58	-0.58	5.61
63.94	64.50	-0.56	6.58

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.86	0.14	0.40
10.00	10.11	-0.11	0.53
15.00	15.11	-0.11	0.52
20.00	20.25	-0.25	0.62
25.00	25.30	-0.30	0.68
30.00	30.49	-0.49	0.81
35.00	35.56	-0.56	1.00
40.00	40.64	-0.64	1.20
45.00	45.63	-0.63	1.57
50.00	50.69	-0.69	2.13
55.00	55.76	-0.76	3.10
60.00	60.60	-0.60	4.62

QA/QC Approval: PMI QA1

Date: 1/28/20



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