



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R4G18G-60-CD-1  
 Serial No: PL27506/2003

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.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.49 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.98 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.39 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.	±0.05 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.08 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	0.24	0.01	0.02
0.50	0.48	0.02	0.04
1.00	0.99	0.01	0.09
2.00	2.00	0.00	0.16
4.00	4.01	-0.01	0.29
8.00	8.03	-0.03	0.43
16.00	16.02	-0.04	0.42
32.00	32.04	-0.04	0.69
62.00	62.08	-0.08	5.17
63.94	63.81	0.13	6.14

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.34
10.00	10.04	-0.04	0.44
15.00	14.95	0.05	0.42
20.00	20.01	-0.01	0.49
25.00	24.99	0.01	0.54
30.00	30.04	-0.04	0.65
35.00	35.03	-0.03	0.77
40.00	40.05	-0.05	0.98
45.00	45.02	-0.02	1.27
50.00	50.05	-0.05	1.83
55.00	55.01	-0.01	2.69
60.00	60.08	-0.08	4.39

QA/QC Approval:  PMI  
QA 1

Date: 1/15/20



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