



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R4G18G-60-CD-1  
 Serial No: PL 27508/2003

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.	3.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 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.	±1.01 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.37 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.06 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.	±0.18 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 QA 1

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
0.0625	0.05	0.01	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	0.09
2.00	1.99	0.01	0.16
4.00	4.00	0.00	0.29
8.00	8.00	0.00	0.43
16.00	15.99	0.02	0.45
32.00	31.98	0.02	0.73
62.00	62.09	-0.09	5.37
63.94	63.80	0.14	6.28

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	4.98	0.02	0.34
10.00	10.00	0.00	0.44
15.00	14.94	0.06	0.44
20.00	19.98	0.02	0.54
25.00	24.95	0.05	0.57
30.00	29.97	0.03	0.68
35.00	34.98	0.02	0.81
40.00	40.02	-0.02	1.01
45.00	44.99	0.01	1.33
50.00	50.00	0.00	1.85
55.00	54.90	0.10	2.72
60.00	60.18	-0.18	4.37

QA/QC Approval:  PMI  
QA 1

Date: 1/15/20



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

PL27508/2003

