

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

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: DTA-0R4G18G-60-CD-1  
Serial No: PL47113/2428

Tested By: K. Mansfield  
Date: Friday, July 12, 2024  
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 QA4	
2	Insertion Loss:	4.8 dB Max.	4.1 dB See Plot	PMI QA4	
3	VSWR:	2.0:1 Max.	1.9:1 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.	±0.98 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.25 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.11 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.09 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.85 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:	+15 VDC @ 150 mA Max.	115 mA		PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.00	0.02
0.125	0.12	0.01	0.03
0.25	0.25	0.00	0.05
0.50	0.49	0.01	0.06
1.00	0.99	0.01	0.11
2.00	2.00	0.00	0.23
4.00	4.01	-0.01	0.39
8.00	8.02	-0.02	0.48
16.00	15.97	0.05	0.50
32.00	31.95	0.05	0.88
62.00	63.23	-1.23	3.84
63.94	65.18	-1.24	4.45

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.98	0.02	0.43
10.00	10.01	-0.01	0.42
15.00	14.89	0.11	0.46
20.00	19.95	0.05	0.62
25.00	24.91	0.09	0.73
30.00	29.94	0.06	0.85
35.00	34.92	0.08	0.90
40.00	40.05	-0.05	0.98
45.00	45.14	-0.14	1.26
50.00	50.31	-0.31	1.65
55.00	55.12	-0.12	2.18
60.00	60.85	-0.85	3.25

QA/QC Approval: *Camryn Kelly*

Date: 7/18/24



