

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

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: DTA-0R4G18G-60-CD-1  
Serial No: PL47062/2428

Tested By: K. Mansfield  
Date: Monday, July 8, 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.	4.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.75 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.08 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.35 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.21 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.44 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.59 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.	114 mA		PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	0.00	0.03
0.125	0.12	0.00	0.04
0.25	0.25	0.00	0.06
0.50	0.50	0.00	0.07
1.00	1.00	0.00	0.09
2.00	2.00	0.00	0.15
4.00	4.02	-0.02	0.27
8.00	8.04	-0.04	0.37
16.00	16.13	-0.36	0.57
32.00	32.36	-0.36	1.08
62.00	62.64	-0.64	3.85
63.94	64.58	-0.64	4.29

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.31
10.00	10.07	-0.07	0.38
15.00	15.07	-0.07	0.52
20.00	20.21	-0.21	0.75
25.00	25.25	-0.25	0.88
30.00	30.33	-0.33	1.01
35.00	35.39	-0.39	0.97
40.00	40.44	-0.44	1.03
45.00	45.45	-0.45	1.32
50.00	50.55	-0.55	1.82
55.00	55.53	-0.53	2.43
60.00	60.59	-0.59	3.35

QA/QC Approval: Cameron Kelly

Date: 7/12/24



