

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

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: DTA-0R4G18G-60-CD-1  
Serial No: PL39672/2308

Tested By: K. Mansfield  
Date: Monday, August 7, 2023  
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.	4.1 dB See Plot		
3	VSWR:	2.0:1 Max.	1.6:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.66 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.15 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.05 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.32 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.55 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.39 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 QA1

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	0.23	0.02	0.04
0.50	0.49	0.01	0.05
1.00	1.00	0.00	0.06
2.00	2.00	0.00	0.10
4.00	4.03	-0.03	0.20
8.00	8.04	-0.04	0.26
16.00	16.22	-0.54	0.52
32.00	32.54	-0.54	1.08
62.00	61.82	0.18	4.80
63.94	63.55	0.39	5.27

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.23
10.00	10.07	-0.07	0.25
15.00	15.13	-0.13	0.46
20.00	20.32	-0.32	0.66
25.00	25.37	-0.37	0.84
30.00	30.51	-0.51	1.03
35.00	35.55	-0.55	1.15
40.00	40.39	-0.39	1.11
45.00	45.31	-0.31	1.48
50.00	50.37	-0.37	2.18
55.00	55.14	-0.14	2.85
60.00	59.98	0.02	4.05

QA/QC Approval: 

PMI  
QA1

Date: 8/5/23



