

**SUMMARY TEST DATA
ON
DTA-0R5G18G-60-CD-1**

Customer: _____
Job No: _____
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL46521/2423

Tested By: A. Mousavi
Date: Thursday, June 6, 2024
Temperature: +25° C
Drawing No: 27641860 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA4	
2	Insertion Loss:	4.8 dB Max.	3.5 dB See Plot		
3	VSWR:	2.0:1 Max.	2:1 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.	±0.88 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±2.99 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.4 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.78 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±1.18 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:	+15 VDC @ 150 mA Max.	120 mA		PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.00	0.06	0.01
0.125	0.13	0.00	0.04
0.25	0.24	0.01	0.06
0.50	0.48	0.02	0.09
1.00	0.97	0.03	0.12
2.00	1.97	0.03	0.21
4.00	3.94	0.06	0.36
8.00	7.86	0.14	0.44
16.00	15.66	0.76	0.32
32.00	31.24	0.76	0.78
62.00	60.92	1.08	3.48
63.94	62.93	1.01	4.30

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.72	0.28	0.40
10.00	9.85	0.15	0.45
15.00	14.68	0.32	0.34
20.00	19.60	0.40	0.49
25.00	24.42	0.58	0.69
30.00	29.35	0.65	0.77
35.00	34.25	0.75	0.81
40.00	39.22	0.78	0.88
45.00	44.09	0.91	1.04
50.00	48.97	1.03	1.24
55.00	53.90	1.10	2.38
60.00	58.82	1.18	2.99

QA/QC Approval: *Cameron Kelley*

Date: 6/7/24



