

**SUMMARY TEST DATA  
ON  
DTA-0R5G18G-60-CD-4**

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: DTA-0R5G18G-60-CD-4  
Serial No: PL46523/2423

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	<b>PMI QA4</b>
2	Insertion Loss:	4.8 dB Max.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	2:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.59 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.53 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.65 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.39 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±1.2 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±1.54 dB See Plot	
11	Switching Speed:	1.0 µs Max. On	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA Max.	120 mA	<b>PMI QA4</b>

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.00	0.06	0.01
0.125	0.13	-0.01	0.05
0.25	0.25	0.00	0.07
0.50	0.49	0.01	0.09
1.00	0.97	0.03	0.13
2.00	1.93	0.07	0.24
4.00	3.89	0.11	0.44
8.00	7.94	0.06	0.52
16.00	16.31	-0.84	0.45
32.00	32.84	-0.84	1.03
62.00	63.55	-1.55	3.81
63.94	65.34	-1.40	4.20

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.91	0.09	0.54
10.00	10.08	-0.08	0.44
15.00	15.17	-0.17	0.44
20.00	20.39	-0.39	0.59
25.00	25.57	-0.57	0.79
30.00	30.76	-0.76	0.96
35.00	36.02	-1.02	1.19
40.00	41.20	-1.20	1.53
45.00	46.28	-1.28	2.07
50.00	51.43	-1.43	2.10
55.00	56.54	-1.54	2.83
60.00	61.50	-1.50	3.65

QA/QC Approval: *Cameron Kelly*

Date: 6/7/24



