

**SUMMARY TEST DATA
ON
DTA-18G40G-60-CD-1**

Customer: PMI
Job No: _____
Model No: DTA-18G40G-60-CD-1
Serial No: PL49327/2440

Tested By: K. Mansfield
Date: Monday, September 30, 2024
Temperature: +25° C
Drawing No: 27641840 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUES	QA QC
1	Frequency Range:	18 GHz – 40 GHz	18 GHz – 40 GHz	PMI QA4
2	Mean Attenuation Range:	60 dB	63.9 dB	
3	Insertion Loss:	11 dB Typ.	11.8 dB Max. See Plot	
4	VSWR:	2.5:1 Max.	1.92:1 See Plot	
5	Flatness:	±3.0 dB Typ.	±2.78 dB See Plot	
6	Accuracy of Attenuation	±3.0 dB Typ.	±0.28 dB See Plot	
7	Power Handling	+24 dBm CW Max.	See Typical Characteristics	
8	Input 1 dB Compression	+10 dBm Typ.	See Typical Characteristics	
9	Switching Time	On Time: 1.0 µs Max. Off Time: 0.5 µs Max.	See Typical Characteristics	
10	Power Supply:	+15 V @ 100 mA Max.	+15 V @ 41 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy	Flatness
dB	dB	dB	dB
0.03	0.00	0.03	0.01
0.06	0.04	0.03	0.01
0.13	0.09	0.04	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.05
1.00	0.99	0.01	0.08
2.00	1.98	0.02	0.14
4.00	3.97	0.03	0.30
8.00	7.94	0.06	0.56
16.00	15.86	0.14	0.86
32.00	31.87	0.13	1.27
63.97	63.93		

Programed Attenuation	Attenuation	Accuracy	Flatness
dB	dB	dB	dB
5.00	4.85	0.1	0.37
10.00	9.87	0.1	0.63
15.00	14.85	0.1	0.82
20.00	19.85	0.2	1.05
25.00	24.84	0.2	1.20
30.00	29.85	0.2	1.26
35.00	34.90	0.1	1.25
40.00	39.91	0.1	1.20
45.00	44.97	0.0	1.32
50.00	50.11	-0.1	1.74
55.00	55.28	-0.3	2.34
60.00	59.96	0.0	2.78

QA/QC Approval: *Cameron Kelley*

Date: 10/2/24



