

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

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: **DTA-18G40G-60-CD-1**  
Serial No: **PL49328/2440**

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	64.3 dB	
3	Insertion Loss:	11 dB Typ.	11.4 dB Max. See Plot	
4	VSWR:	2.5:1 Max.	1.71:1 See Plot	
5	Flatness:	±3.0 dB Typ.	±3.21 dB See Plot	
6	Accuracy of Attenuation	±3.0 dB Typ.	±0.75 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	

Programed Attenuation	Attenuation	Accuracy	Flatness dB
dB	dB	dB	±dB
0.03	0.00	0.03	0.01
0.06	0.04	0.02	0.01
0.13	0.09	0.03	0.01
0.25	0.25	0.00	0.02
0.50	0.49	0.01	0.04
1.00	0.98	0.02	0.06
2.00	1.94	0.06	0.12
4.00	3.95	0.05	0.24
8.00	7.91	0.09	0.46
16.00	15.80	0.20	0.69
32.00	31.84	0.16	1.20
63.97	64.30		

Programed Attenuation	Attenuation	Accuracy	Flatness dB
dB	dB	dB	±dB
5.00	4.83	0.2	0.30
10.00	9.83	0.2	0.51
15.00	14.79	0.2	0.65
20.00	19.84	0.2	0.87
25.00	24.84	0.2	1.05
30.00	29.87	0.1	1.17
35.00	34.77	0.2	1.24
40.00	39.80	0.2	1.40
45.00	44.90	0.1	1.79
50.00	49.73	0.3	1.98
55.00	54.25	0.7	2.31
60.00	59.89	0.1	3.21

QA/QC Approval: *Carmen Kelly*

Date: 10/2/24



