



## SUMMARY TEST DATA ON DTA-18G40G-50-CD-1

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-18G40G-50-CD-1  
 Serial No: PL35584/2206

Tested By: K. Mansfield  
 Date: Thursday, February 10, 2022  
 Temperature: +25° C  
 Drawing No: 27628621 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	18 GHz – 40 GHz	18 GHz – 40 GHz	PMI QA 2
2	Mean Attenuation Range:	50 dB	51.2 dB	
3	Insertion Loss:	8.5 dB Typ.	8.4 dB See Plot	
4	VSWR:	2.5:1 Max.	1.82:1 See Plot	
5	Flatness to 16 dB:	±1.5 dB Typ.	±0.41 dB See Plot	
6	Flatness to 32 dB:	±1.5 dB Typ.	±0.67 dB See Plot	
7	Flatness to 50 dB:	±1.5 dB Typ.	±0.97 dB See Plot	
8	Accuracy of Attenuation 0 to 16 dB:	± 2.0 dB Typ.	±0.24 dB See Plot	
9	Accuracy of Attenuation 16 to 32 dB:	± 2.0 dB Typ.	±0.09 dB See Plot	
10	Accuracy of Attenuation 32 to 50 dB:	± 2.0 dB Typ.	±0.05 dB See Plot	
11	Switching Speed:	On: 1.0 µs Max. Off: 0.5 µs Max.	See Typical Characteristics	
12	DC Supply:	+15VDC @ 100 mA Max.	39 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.05	0.01	0.04	0.00
0.10	0.02	0.08	0.01
0.20	0.06	0.14	0.01
0.40	0.12	0.28	0.26
0.80	0.29	0.51	0.04
1.60	0.86	0.74	0.08
3.20	2.91	0.29	0.21
6.40	6.19	0.21	0.53
12.80	12.66	0.14	1.13
25.60	25.65	-0.05	1.33

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
4.00	3.60	0.40	0.26
8.00	7.89	0.11	0.74
16.00	15.88	0.12	1.24
24.00	23.96	0.04	1.34
32.00	31.91	0.09	1.49
40.00	40.00	0.00	1.91
48.00	48.00	0.00	2.19
49.60	49.80	-0.20	2.30
51.15	51.24	-0.09	2.37

QA/QC Approval: \_\_\_\_\_

PMI  
QA 2

Date: 2/11/2022



# SUMMARY TEST DATA ON DTA-18G40G-50-CD-1

PL35584/2206

