



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-18G40G-50-CD-1  
 Serial No: PL35583/2206

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	51.1 dB	
3	Insertion Loss:	8.5 dB Typ.	8.7 dB See Plot	
4	VSWR:	2.5:1 Max.	1.89:1 See Plot	
5	Flatness to 16 dB:	±1.5 dB Typ.	±0.55 dB See Plot	
6	Flatness to 32 dB:	±1.5 dB Typ.	±0.85 dB See Plot	
7	Flatness to 50 dB:	±1.5 dB Typ.	±1.21 dB See Plot	
8	Accuracy of Attenuation 0 to 16 dB:	± 2.0 dB Typ.	±0.23 dB See Plot	
9	Accuracy of Attenuation 16 to 32 dB:	± 2.0 dB Typ.	±0.13 dB See Plot	
10	Accuracy of Attenuation 32 to 50 dB:	± 2.0 dB Typ.	±0.07 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.	40 mA	

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
0.05	0.01	0.04	0.00
0.10	0.03	0.07	0.01
0.20	0.06	0.14	0.01
0.40	0.13	0.27	0.41
0.80	0.30	0.50	0.03
1.60	0.88	0.72	0.09
3.20	2.97	0.23	0.34
6.40	6.25	0.15	0.76
12.80	12.62	0.18	1.46
25.60	25.55	0.05	1.53

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
4.00	3.75	0.25	0.41
8.00	7.84	0.16	1.02
16.00	15.85	0.15	1.57
24.00	23.90	0.10	1.57
32.00	31.87	0.13	1.82
40.00	39.90	0.10	2.25
48.00	48.01	-0.01	2.71
49.60	49.68	-0.08	2.85
51.15	51.08	0.07	3.02

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

PMI  
QA 2

Date: \_\_\_\_\_

2/11/2022



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