



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

Customer: _____ Tested By: K. Mansfield
 Job No: _____ Date: Thursday, February 10, 2022
 Model No: DTA-18G40G-50-CD-1 Temperature: +25° C
 Serial No: PL35582/2206 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.	9.1 dB See Plot	
4	VSWR:	2.5:1 Max.	1.83:1 See Plot	
5	Flatness to 16 dB:	±1.5 dB Typ.	±0.47 dB See Plot	
6	Flatness to 32 dB:	±1.5 dB Typ.	±0.82 dB See Plot	
7	Flatness to 50 dB:	±1.5 dB Typ.	±1.17 dB See Plot	
8	Accuracy of Attenuation 0 to 16 dB:	± 2.0 dB Typ.	±0.25 dB See Plot	
9	Accuracy of Attenuation 16 to 32 dB:	± 2.0 dB Typ.	±0.11 dB See Plot	
10	Accuracy of Attenuation 32 to 50 dB:	± 2.0 dB Typ.	±0.06 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	0.02	0.03	0.01
0.10	0.03	0.07	0.01
0.20	0.07	0.13	0.01
0.40	0.13	0.27	0.39
0.80	0.30	0.50	0.04
1.60	0.88	0.72	0.10
3.20	2.90	0.30	0.32
6.40	6.18	0.22	0.68
12.80	12.62	0.18	1.20
25.60	25.59	0.01	1.70

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
4.00	3.60	0.40	0.39
8.00	7.87	0.13	0.86
16.00	15.84	0.16	1.35
24.00	23.93	0.07	1.66
32.00	31.92	0.08	1.95
40.00	40.01	-0.01	2.30
48.00	48.07	-0.07	2.67
49.60	49.72	-0.12	2.69
51.15	51.20	-0.05	2.82

QA/QC Approval:  PMI QA 2 Date: 2/11/2022



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