

**SUMMARY TEST DATA
ON
DTA-100M40G-30-CD-1**

Customer: _____

Tested By: K. Mansfield

Job No: _____

Temperature: +25° C

Model No: DTA-100M40G-30-CD-1

Date: Friday, October 25, 2024

Serial No: PL49723/2443

Drawing No: 27615615

Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	100 MHz to 40 GHz	100 MHz to 40 GHz	PMI QA4
2	Mean Attenuation Range:	30 dB	31.1 dB	
3	Insertion Loss:	5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz)	5.15 dB 7.23 dB See Plot	
4	VSWR:	2.5:1 Typ.	2.01:1 See Plot	
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.38 dB See Plot	
6	Minimum Attenuation Step:	1.0 dB	0.95 dB See Plot	
7	Power Handling Capability:	+24 dBm CW Max.	See Typical Characteristics	
8	Input 1 dB Compression:	+20 dBm Typ.	See Typical Characteristics	
9	Switching Speed:	On: 1.0 µs Max. Off: 0.5 µs Max.	See Typical Characteristics	
10	DC Supply:	+15VDC @ 50 mA Max.	35 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	0.95	0.05	0.26
2.00	1.82	0.18	0.41
4.00	3.91	0.09	0.57
8.00	8.16	-0.16	0.72
16.00	16.15	-0.15	1.06
31.00	31.07	-0.07	4.17

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.96	0.04	0.62
10.00	10.16	-0.16	0.82
15.00	15.15	-0.15	1.02
20.00	20.22	-0.22	1.23
25.00	25.23	-0.23	2.38
30.00	30.35	-0.35	3.89

QA/QC Approval: *Cameron Kelso*

Date: 11/1/24



