



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

Customer: _____ Tested By: K. Mansfield / K. Wagaman
 Job No: _____ Temperature: +25° C
 Model No: DTA-100M40G-30-CD-1 Date: Wednesday, August 7, 2024
 Serial No: PL47479/2431 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)	5.01 dB 6.64 dB See Plot	
4	VSWR:	2.5:1 Typ.	1.95:1 See Plot	
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.11 dB See Plot	
6	Minimum Attenuation Step:	1.0 dB	1.01 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.	34 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	1.01	-0.01	0.20
2.00	1.99	0.01	0.36
4.00	3.98	0.02	0.44
8.00	7.97	0.03	0.66
16.00	15.99	0.01	1.05
31.00	31.12	-0.12	1.50

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.47
10.00	9.97	0.03	0.79
15.00	14.99	0.01	1.01
20.00	20.05	-0.05	1.23
25.00	25.07	-0.07	1.48
30.00	30.11	-0.11	1.50

QA/QC Approval: *Cammeron Helms* Date: 8/7/24



