



**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: PL47481/2431 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)	4.97 dB 6.85 dB See Plot	
4	VSWR:	2.5:1 Typ.	1.85:1 See Plot	
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.2 dB See Plot	
6	Minimum Attenuation Step:	1.0 dB	0.96 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	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	0.97	0.03	0.19
2.00	1.88	0.12	0.34
4.00	3.85	0.15	0.58
8.00	7.88	0.12	0.83
16.00	16.04	-0.04	1.66
31.00	31.15	-0.15	2.66

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.86	0.14	0.60
10.00	9.90	0.10	1.04
15.00	15.03	-0.03	1.54
20.00	20.10	-0.10	2.09
25.00	25.18	-0.18	2.50
30.00	30.18	-0.18	2.65

QA/QC Approval: *Camryn Kelly* Date: 8/7/24



