

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-100M40G-30-CD-1  
 Serial No: PL47480/2431

Tested By: K. Mansfield / K. Wagaman  
 Temperature: +25° C  
 Date: Wednesday, August 7, 2024  
 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	27.8 dB	
3	Insertion Loss:	5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz)	5.01 dB 6.95 dB See Plot	
4	VSWR:	2.5:1 Typ.	1.84:1 See Plot	
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±1.93 dB See Plot	
6	Minimum Attenuation Step:	1.0 dB	0.69 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	0.70	0.30	0.14
2.00	1.66	0.34	0.26
4.00	3.72	0.28	0.38
8.00	7.73	0.27	0.81
16.00	15.63	0.37	1.24
31.00	27.79	3.21	1.96

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.79	0.21	0.53
10.00	9.80	0.20	0.97
15.00	15.00	0.00	1.40
20.00	19.59	0.41	1.42
25.00	24.73	0.27	1.64
30.00	28.07	1.93	1.85

QA/QC Approval: *Cammerun Kelly*

Date: 8/7/24



