

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

Customer: _____
Job No: _____
Model No: DTA-100M40G-30-CD-1
Serial No: PL39749/2309

Tested By: K. Mansfield
Temperature: +25° C
Date: Tuesday, February 28, 2023
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 QA2	
2	Mean Attenuation Range:	30 dB	31 dB		
3	Insertion Loss:	5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz)	4.74 dB 6.77 dB See Plot		
4	VSWR:	2.5:1 Typ.	2.33:1 See Plot		
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.13 dB See Plot		
6	Minimum Attenuation Step:	1.0 dB	0.98 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 QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	0.97	0.03	0.20
2.00	1.96	0.04	0.42
4.00	3.93	0.07	0.68
8.00	7.92	0.08	1.02
16.00	15.96	0.04	1.80
31.00	31.01	-0.01	2.50

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.92	0.08	0.73
10.00	9.90	0.10	1.22
15.00	14.94	0.06	1.69
20.00	19.97	0.03	2.07
25.00	25.01	-0.01	2.37
30.00	30.13	-0.13	2.61

QA/QC Approval: 

PMI
QA2

Date: 2/28/2023



