

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-100M40G-30-CD-1-BCD  
 Serial No: PL41244/2324

Tested By: K. Mansfield  
 Temperature: +25° C  
 Date: Friday, June 27, 2025  
 Drawing No: 27645760 Rev: A1

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	30 dB		
3	Insertion Loss:	5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz)	5.17 dB 6.91 dB See Plot		
4	VSWR:	2.5:1 Typ.	2.47:1 See Plot		
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.84 dB See Plot		
6	Minimum Attenuation Step:	1.0 dB	0.93 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 QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation
dB	dB	dB
1.00	1.84	-0.84
2.00	2.68	-0.68
4.00	4.29	-0.29
8.00	8.10	-0.10
16.00	16.08	-0.08

Programed Attenuation	Attenuation	Accuracy of Attenuation
dB	dB	dB
5.00	5.24	-0.24
10.00	10.12	-0.12
15.00	15.09	-0.09
20.00	19.96	0.04
25.00	24.95	0.05
30.00	30.03	-0.03

QA/QC Approval: 

PMI  
QA2

Date: 7/8/2025



