

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-100M40G-30-CD-1-BCD  
 Serial No: PL41027/2324

Tested By: K. Mansfield  
 Temperature: +25° C  
 Date: Friday, June 16, 2023  
 Drawing No: 27645760      Rev: A1

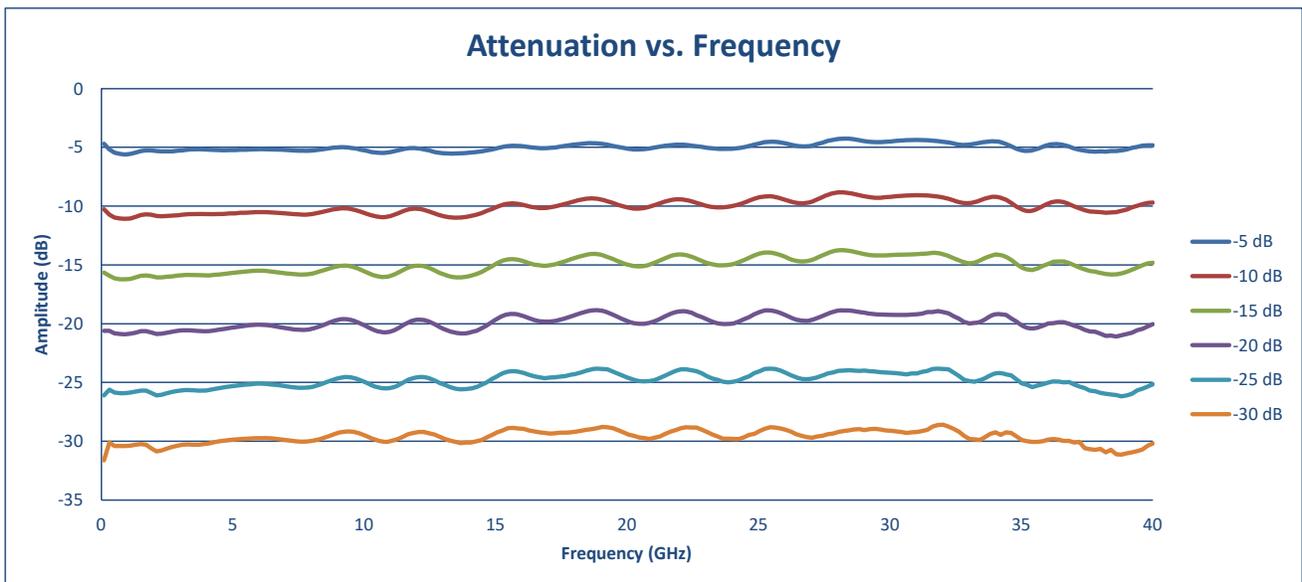
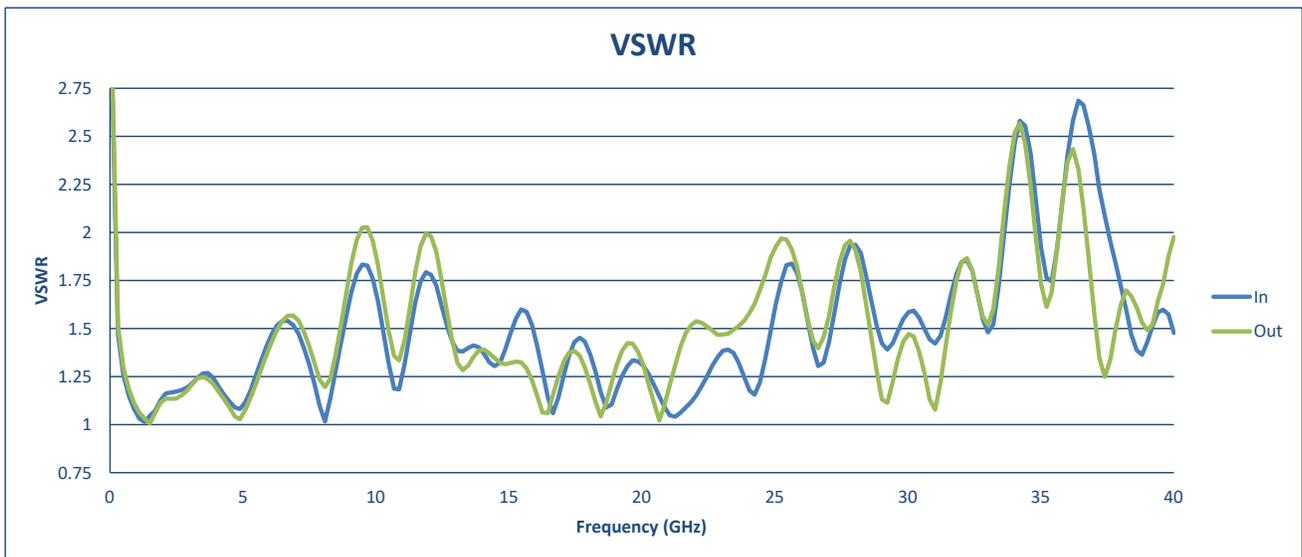
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	100 MHz to 40 GHz	100 MHz to 40 GHz	
2	Mean Attenuation Range:	30 dB	30.1 dB	
3	Insertion Loss:	5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz)	5.03 dB 7.54 dB See Plot	
4	VSWR:	2.5:1 Typ.	2.78:1 See Plot	
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.1 dB See Plot	
6	Minimum Attenuation Step:	1.0 dB	0.94 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	0.97	0.03	0.22
2.00	1.96	0.04	0.34
4.00	3.91	0.09	0.52
8.00	7.93	0.07	1.03
16.00	16.00	0.00	1.20

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.92	0.08	0.67
10.00	9.95	0.05	1.13
15.00	14.98	0.02	1.24
20.00	19.96	0.04	1.11
25.00	25.00	0.00	1.17
30.00	30.10	-0.10	1.52

QA/QC Approval: \_\_\_\_\_

Date: \_\_\_\_\_



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