



SUMMARY TEST DATA ON DTA-18G40G-60-CD-1

Customer: _____
Job No: _____
Model No: DTA-18G40G-60-CD-1
Serial No: PL35245/2151

Tested By: K. Mansfield
Date: Thursday, December 23, 2021
Temperature: +25° C
Drawing No: 27641840 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	18 GHz – 40 GHz	18 GHz – 40 GHz	
2	Mean Attenuation Range:	60 dB	65 dB	
3	Insertion Loss:	11 dB Typ.	11.9 dB See Plot	
4	VSWR:	2.5:1 Max.	2.04:1 See Plot	
5	Flatness:	±3.0 dB Typ.	±3.11 dB See Plot	
6	Accuracy of Attenuation	±3.0 dB Typ.	±0.32 dB See Plot	
7	Power Handling	+24 dBm CW Max.	See Typical Characteristics	
8	Input 1 dB Compression	+10 dBm Typ.	See Typical Characteristics	
9	Switching Time	On Time: 1.0 µs Max. Off Time: 0.5 µs Max.	See Typical Characteristics	
10	Power Supply:	+15 V @ 100 mA Max.	+15 V @ 41 mA	

Programed Attenuation	Attenuation	Accuracy	Flatness
dB	dB	dB	dB
0.03	0.02	0.02	0.02
0.06	0.03	0.03	0.02
0.13	0.08	0.04	0.02
0.25	0.24	0.01	0.04
0.50	0.50	0.00	0.07
1.00	1.00	0.00	0.12
2.00	2.03	-0.03	0.17
4.00	4.10	-0.10	0.26
8.00	8.16	-0.16	0.46
16.00	16.25	-0.25	0.71
32.00	32.32	-0.32	1.26
63.97	64.96		

Programed Attenuation	Attenuation	Accuracy	Flatness
dB	dB	dB	dB
5.00	4.89	0.1	0.30
10.00	10.05	0.0	0.53
15.00	15.12	-0.1	0.68
20.00	20.16	-0.2	0.87
25.00	25.21	-0.2	1.07
30.00	30.22	-0.2	1.25
35.00	35.22	-0.2	1.29
40.00	40.26	-0.3	1.43
45.00	45.24	-0.2	1.61
50.00	50.02	0.0	1.95
55.00	55.25	-0.2	2.36
60.00	60.18	-0.2	3.11

QA/QC Approval: _____

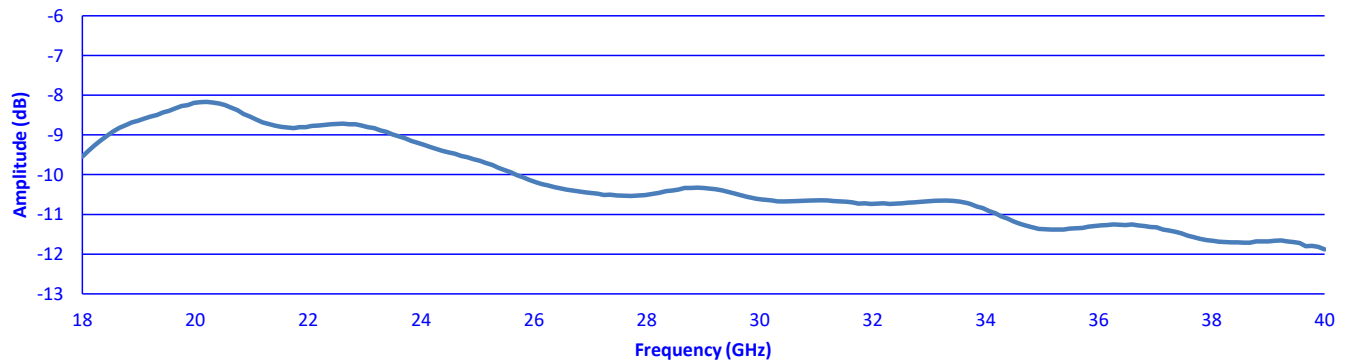
Date: _____



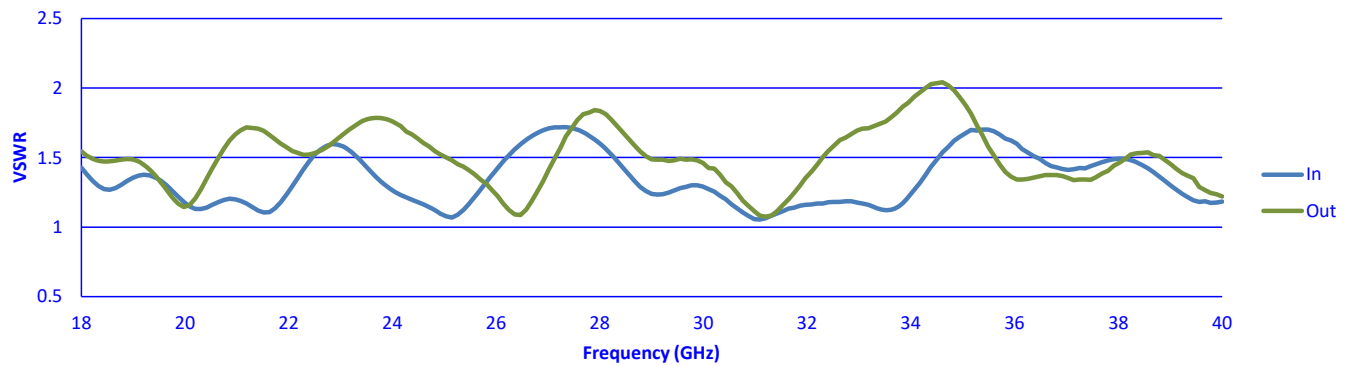
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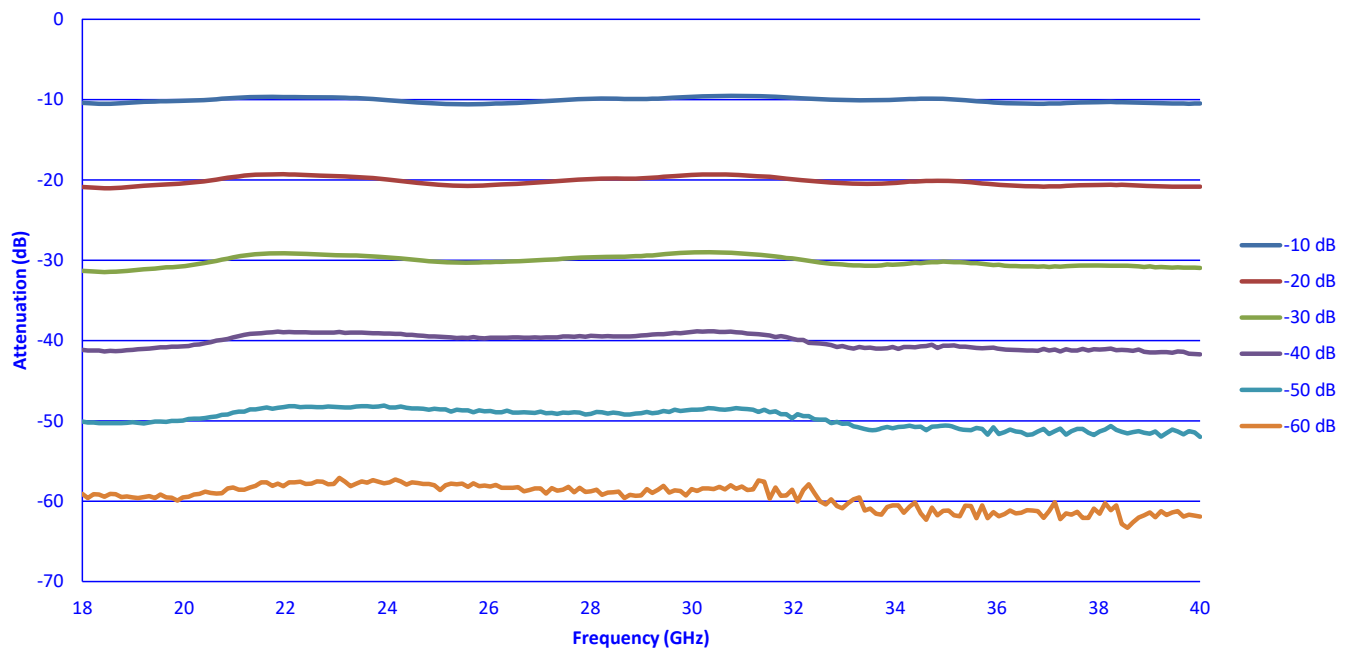
Insertion Loss



VSWR



Attenuation vs. Frequency





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