

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44573
 Part No: _____

Tested By: A. Mousavi
 Date: 1/17/2025
 Temperature: +25° C
 Drawing No: 27617795 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA/QC
2	Insertion Loss:	4.8 dB Max.	4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.64 dB See Plot	
6	Flatness to 40 dB:	± 1.75 dB Max.	±1.14 dB See Plot	
7	Flatness to 60 dB:	± 5.0 dB Max.	±4.62 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.13 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±0.11 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±0.28 dB See Plot	
11	Switching Speed:	1.0 µs Max. On	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA Max.	120 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.02
0.125	0.13	0.00	0.03
0.25	0.25	0.00	0.04
0.50	0.50	0.00	0.06
1.00	1.00	0.00	0.10
2.00	2.00	0.00	0.20
4.00	4.01	-0.01	0.32
8.00	8.04	-0.04	0.32
16.00	16.09	-0.10	0.51
32.00	32.10	-0.10	1.02
62.00	62.51	-0.51	5.42
63.94	64.88	-0.94	6.31

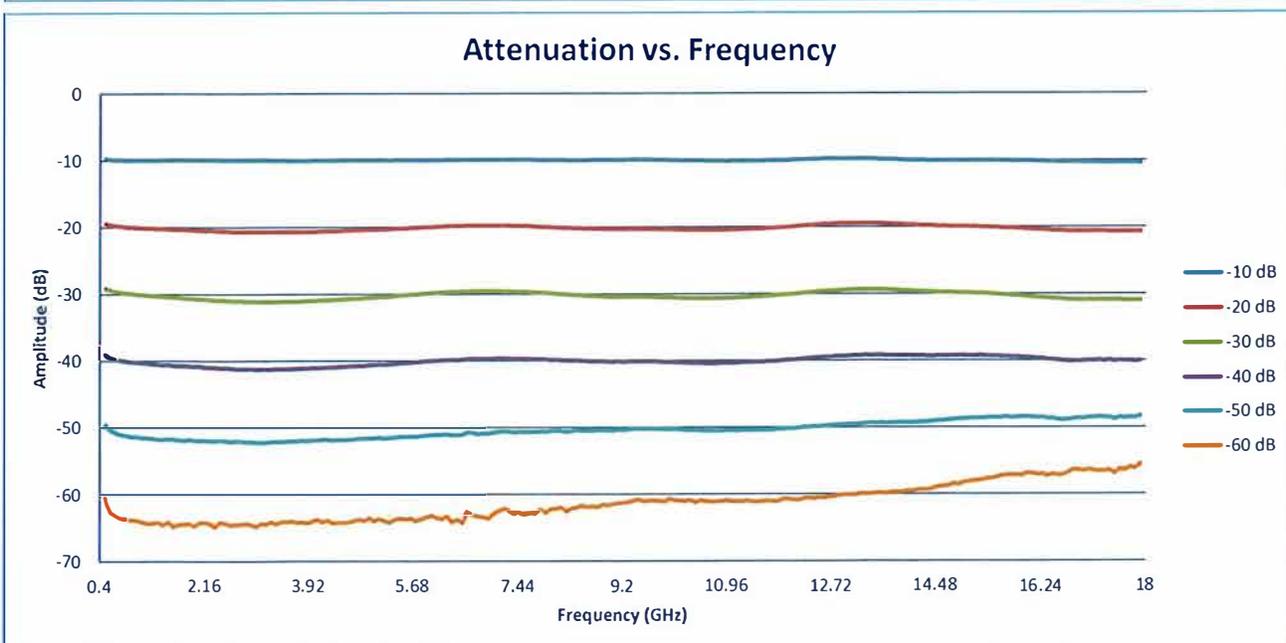
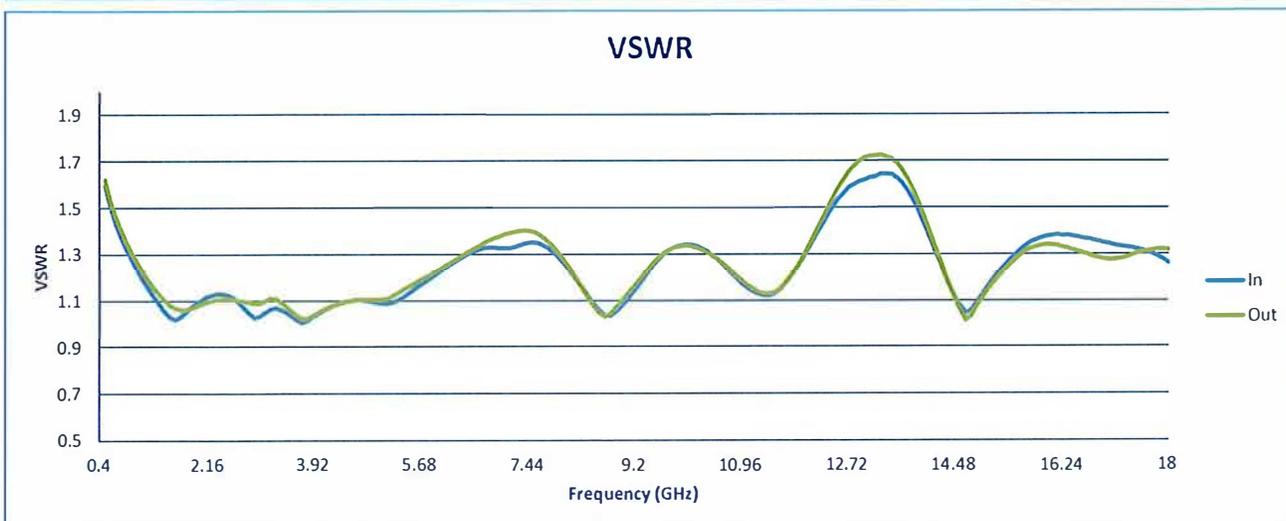
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.87	0.13	0.34
10.00	10.07	-0.07	0.33
15.00	15.02	-0.02	0.49
20.00	20.09	-0.09	0.64
25.00	25.05	-0.05	0.82
30.00	30.10	-0.10	1.01
35.00	35.08	-0.08	1.06
40.00	40.11	-0.11	1.14
45.00	45.19	-0.19	1.33
50.00	50.28	-0.28	1.93
55.00	55.14	-0.14	3.10
60.00	60.19	-0.19	4.62

QA/QC Approval: *Cameron Klein*

Date: 1/22/25

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