

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44575
 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 QA1	
2	Insertion Loss:	4.8 dB Max.	4.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.45 dB See Plot		
6	Flatness to 40 dB:	± 1.75 dB Max.	±0.84 dB See Plot		
7	Flatness to 60 dB:	± 5.0 dB Max.	±2.39 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.11 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±0.12 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±0.1 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		PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.09	-0.02	0.03
0.125	0.14	-0.02	0.03
0.25	0.26	-0.01	0.05
0.50	0.52	-0.02	0.06
1.00	1.03	-0.03	0.09
2.00	2.05	-0.05	0.19
4.00	4.08	-0.08	0.32
8.00	8.09	-0.09	0.37
16.00	16.09	-0.07	0.30
32.00	32.07	-0.07	0.70
62.00	61.82	0.18	2.82
63.94	63.87	0.06	3.37

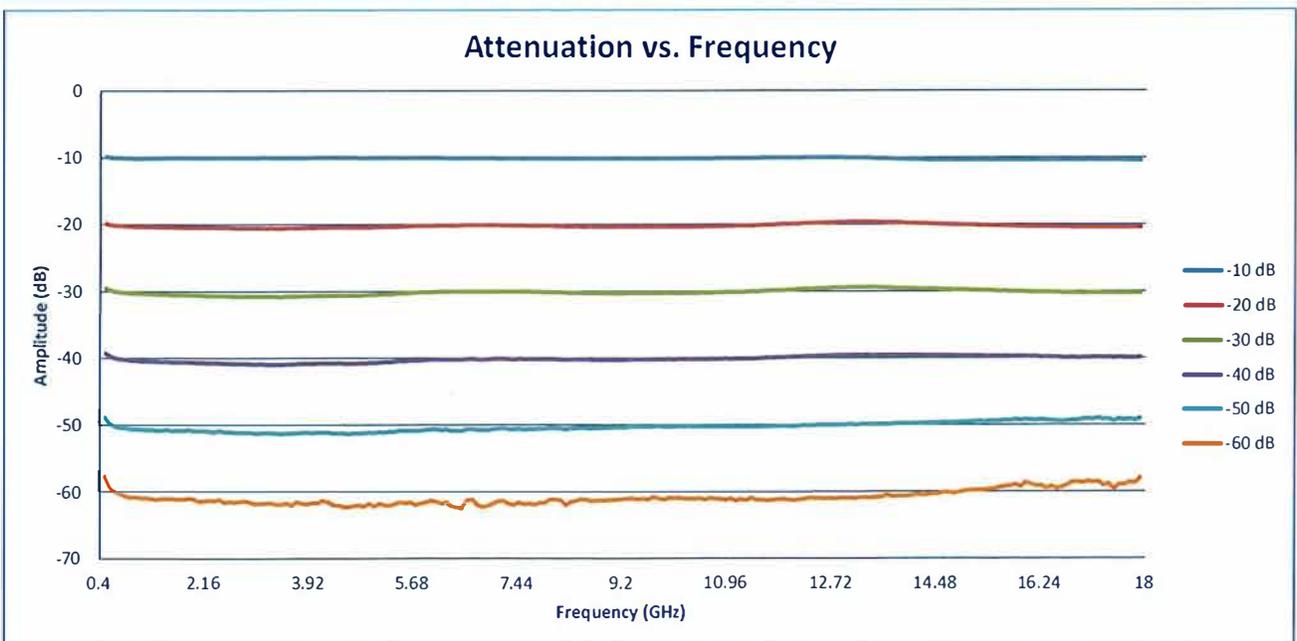
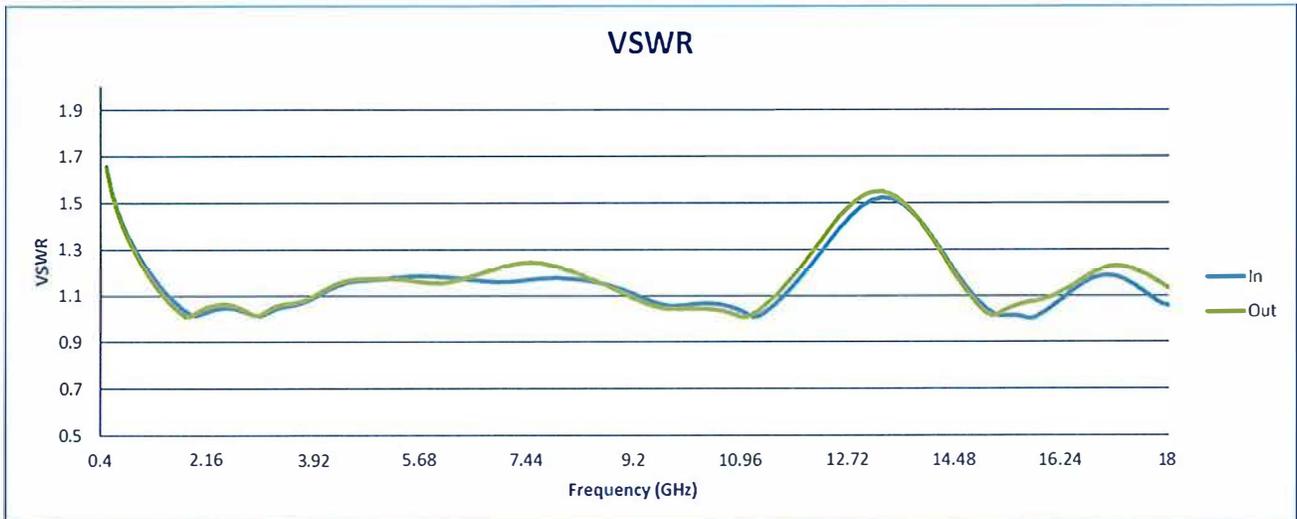
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.05	-0.05	0.36
10.00	10.11	-0.11	0.29
15.00	15.01	-0.01	0.27
20.00	20.09	-0.09	0.45
25.00	25.08	-0.08	0.60
30.00	30.10	-0.10	0.68
35.00	35.12	-0.12	0.74
40.00	40.10	-0.10	0.84
45.00	45.09	-0.09	1.00
50.00	50.10	-0.10	1.23
55.00	55.02	-0.02	1.78
60.00	60.08	-0.08	2.39

QA/QC Approval: *Camryn Kelly*

Date: 1/22/25

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