

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44571
 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 QA4	
2	Insertion Loss:	4.8 dB Max.	4.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.44 dB See Plot		
6	Flatness to 40 dB:	± 1.75 dB Max.	±0.88 dB See Plot		
7	Flatness to 60 dB:	± 5.0 dB Max.	±2.55 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.54 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±1.18 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±1.38 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 QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.01	0.03
0.125	0.13	-0.01	0.04
0.25	0.25	0.00	0.06
0.50	0.50	0.00	0.08
1.00	1.00	0.00	0.10
2.00	2.00	0.00	0.21
4.00	3.99	0.01	0.37
8.00	8.10	-0.10	0.35
16.00	16.42	-0.85	0.44
32.00	32.85	-0.85	0.74
62.00	63.45	-1.45	3.07
63.94	65.89	-1.95	3.93

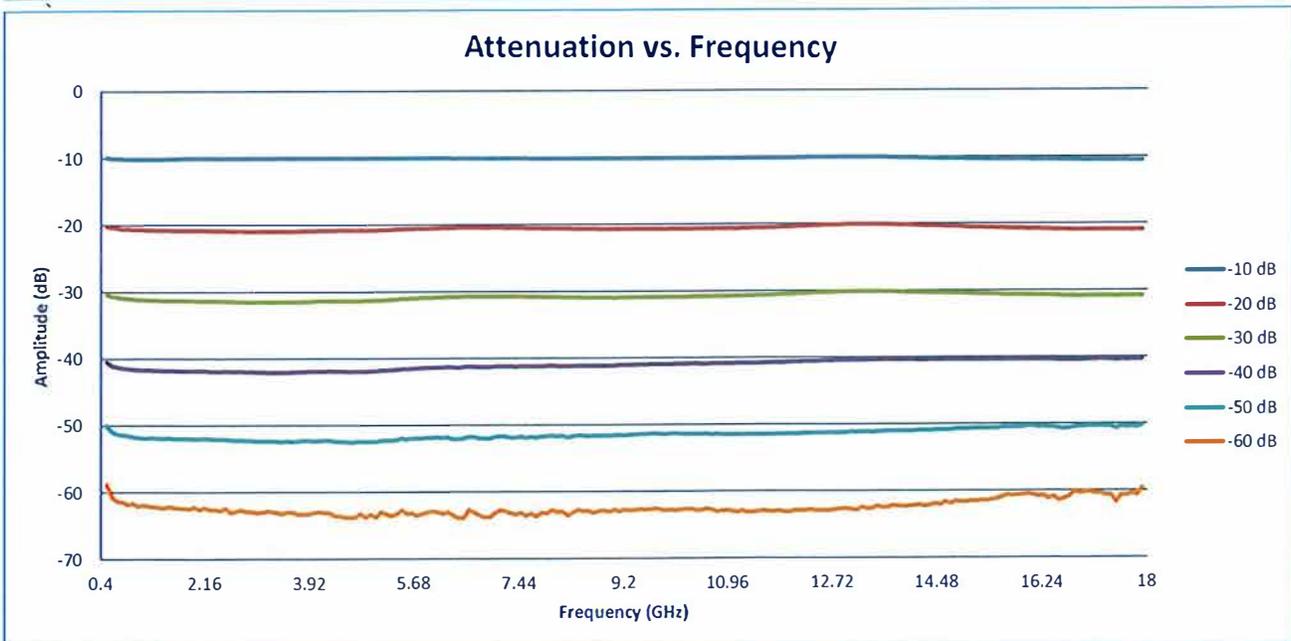
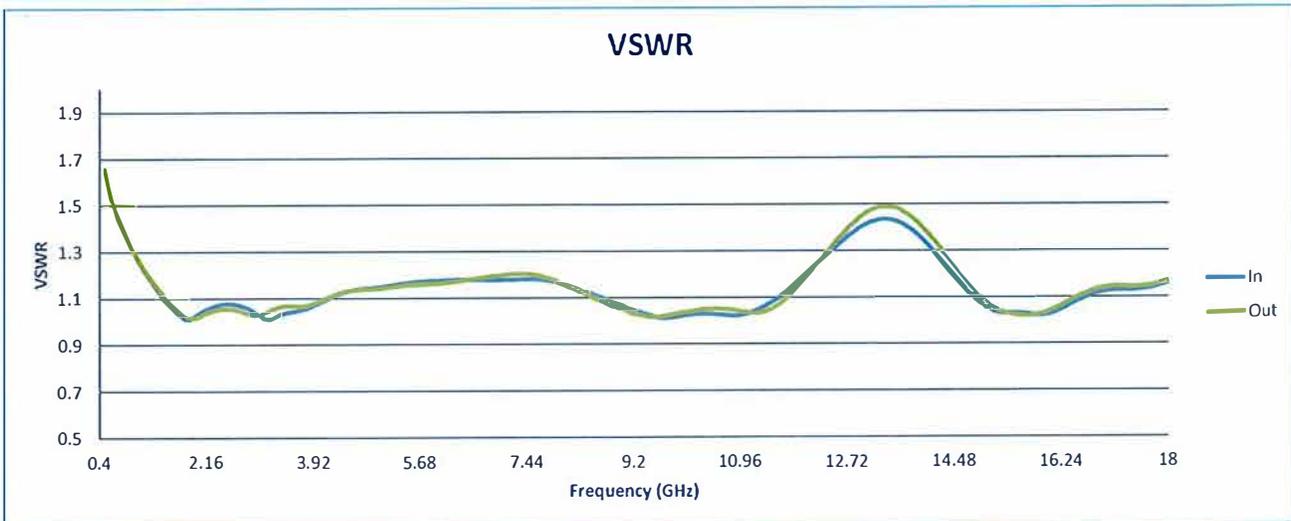
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.92	0.08	0.42
10.00	10.22	-0.22	0.33
15.00	15.33	-0.33	0.43
20.00	20.54	-0.54	0.44
25.00	25.64	-0.64	0.57
30.00	30.83	-0.83	0.69
35.00	35.96	-0.96	0.82
40.00	41.18	-1.18	0.88
45.00	46.27	-1.27	1.07
50.00	51.28	-1.28	1.25
55.00	55.94	-0.94	1.77
60.00	61.38	-1.38	2.55

QA/QC Approval: *Camaron Kelley*

Date: 1/22/25

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