

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44568
 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.	4.4 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.61 dB See Plot		
6	Flatness to 40 dB:	± 1.75 dB Max.	±1.02 dB See Plot		
7	Flatness to 60 dB:	± 5.0 dB Max.	±2.44 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.46 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±1.15 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±1.15 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	0.06	0.00	0.02
0.125	0.12	0.00	0.04
0.25	0.25	0.00	0.05
0.50	0.47	0.03	0.07
1.00	1.00	0.00	0.11
2.00	2.00	0.00	0.19
4.00	3.97	0.03	0.30
8.00	8.09	-0.09	0.32
16.00	16.35	-1.00	0.40
32.00	33.00	-1.00	0.90
62.00	62.80	-0.80	2.83
63.94	65.19	-1.26	3.79

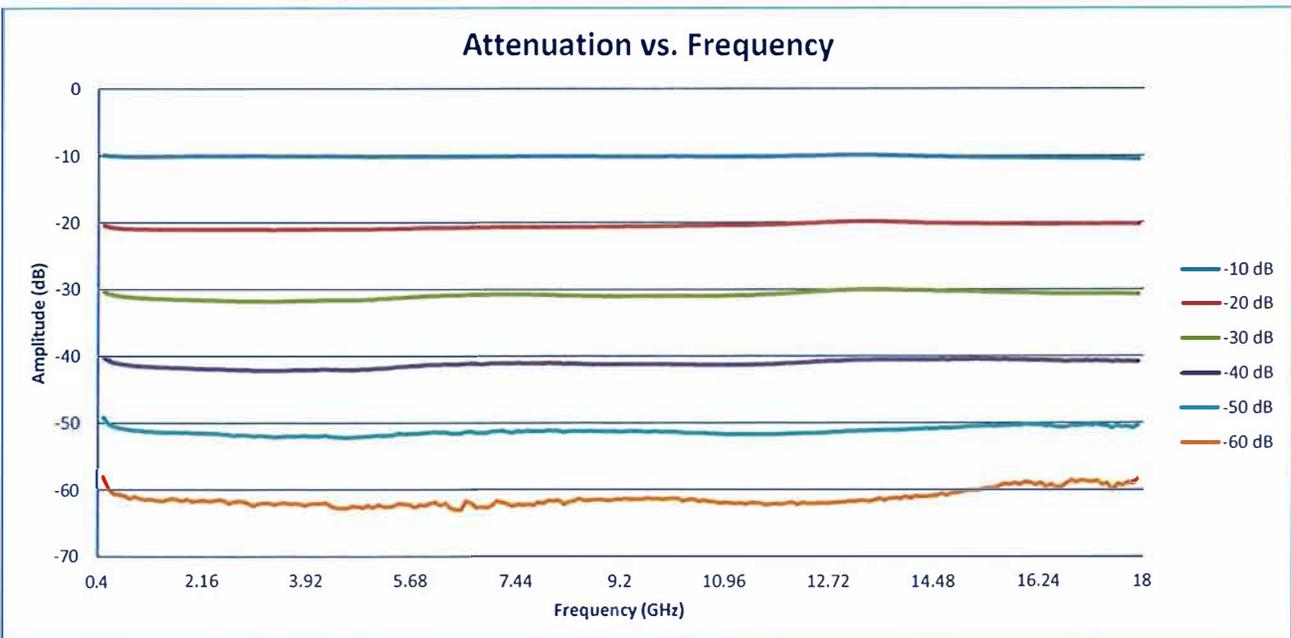
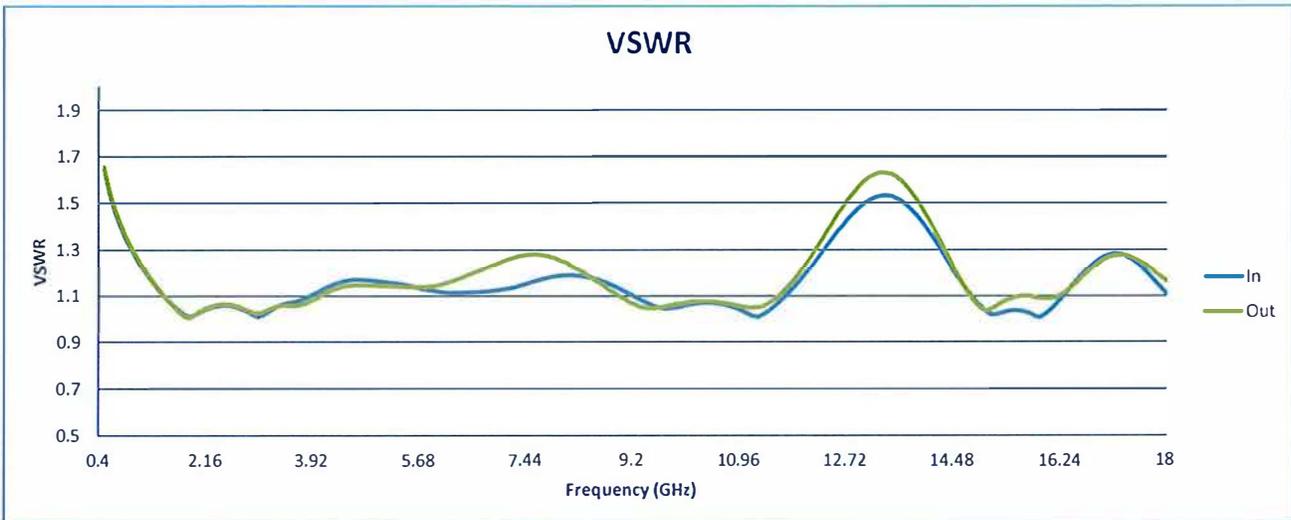
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.82	0.18	0.31
10.00	10.19	-0.19	0.30
15.00	15.26	-0.26	0.33
20.00	20.46	-0.46	0.61
25.00	25.66	-0.66	0.81
30.00	30.91	-0.91	0.89
35.00	36.01	-1.01	0.95
40.00	41.15	-1.15	1.02
45.00	46.04	-1.04	1.22
50.00	50.68	-0.68	1.53
55.00	55.54	-0.54	1.85
60.00	60.57	-0.57	2.44

QA/QC Approval: *Cameron Kelley*

Date: 1/22/25

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