

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44572
 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.	4.5 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.46 dB See Plot		
6	Flatness to 40 dB:	± 1.75 dB Max.	±0.99 dB See Plot		
7	Flatness to 60 dB:	± 5.0 dB Max.	±2.83 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.35 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±0.68 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±0.86 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	-0.02	0.03
0.125	0.14	-0.02	0.04
0.25	0.26	-0.01	0.06
0.50	0.52	-0.02	0.09
1.00	1.03	-0.03	0.11
2.00	2.04	-0.04	0.19
4.00	4.06	-0.06	0.30
8.00	8.14	-0.14	0.34
16.00	16.30	-0.60	0.30
32.00	32.60	-0.60	0.74
62.00	62.73	-0.73	3.14
63.94	64.73	-0.79	3.93

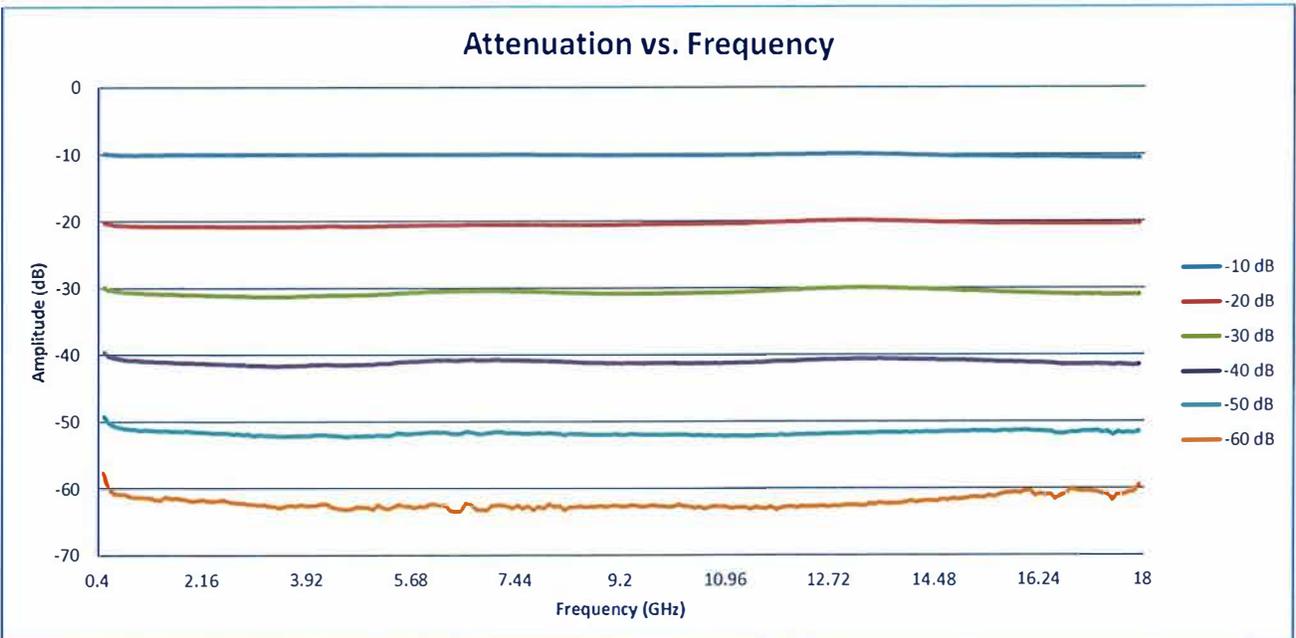
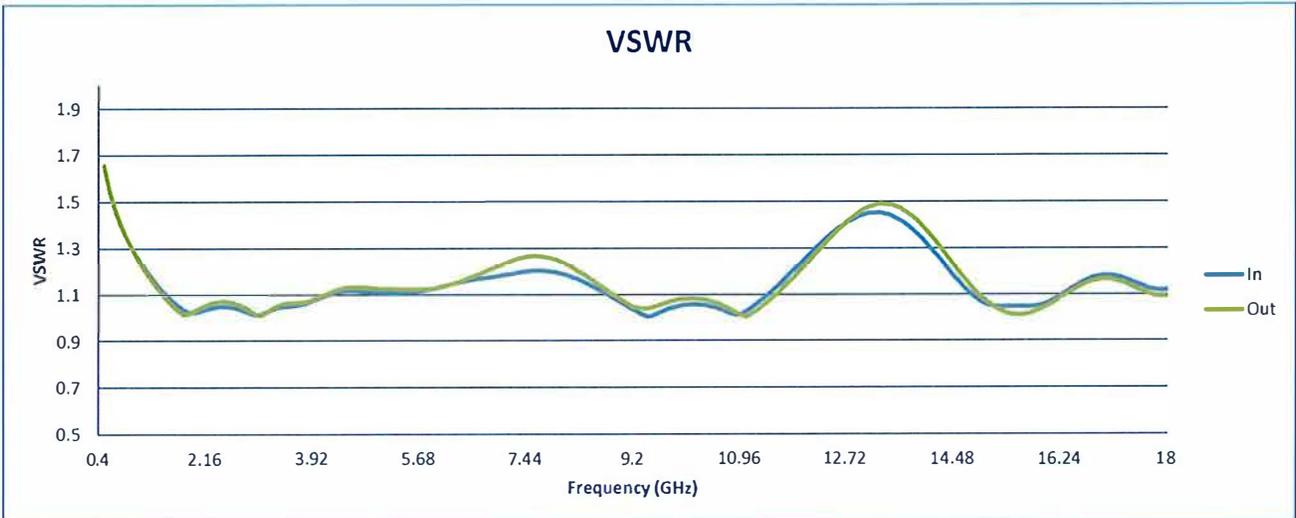
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.87	0.13	0.33
10.00	10.20	-0.20	0.33
15.00	15.20	-0.20	0.28
20.00	20.35	-0.35	0.46
25.00	25.42	-0.42	0.62
30.00	30.61	-0.61	0.66
35.00	35.60	-0.60	0.87
40.00	40.68	-0.68	0.99
45.00	45.72	-0.72	1.22
50.00	50.75	-0.75	1.52
55.00	55.86	-0.86	1.96
60.00	60.60	-0.60	2.83

QA/QC Approval: *Camuruz Kelun*

Date: 1/22/25

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