

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

Customer: _____

Tested By: K. Mansfield

SO No: _____

Temperature: +25° C

Model No: DTA-0R5G18G-60-CD-1


Date: 1/18/2022

Serial No: 23449

Drawing No: 27617783

Rev: A1

Part No: _____

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 2
2	Insertion Loss:	4.5 dB Max.	3.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.35 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.95 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.35 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.51 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.13 dB See Plot	
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 155 mA	114 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
0.0625	0.06	0.00	0.01
0.125	0.12	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.51	-0.01	0.03
1.00	1.02	-0.02	0.06
2.00	2.04	-0.04	0.11
4.00	4.09	-0.09	0.20
8.00	8.18	-0.18	0.24
16.00	16.38	-0.84	0.31
32.00	32.84	-0.84	0.70
62.00	63.25	-1.25	2.76
63.94	65.53	-1.60	3.28

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	5.10	-0.10	0.23
10.00	10.25	-0.25	0.25
15.00	15.31	-0.31	0.30
20.00	20.51	-0.51	0.35
25.00	25.62	-0.62	0.42
30.00	30.79	-0.79	0.64
35.00	35.88	-0.88	0.74
40.00	41.00	-1.00	0.95
45.00	46.02	-1.02	1.09
50.00	51.13	-1.13	1.37
55.00	56.12	-1.12	1.81
60.00	61.13	-1.13	2.35

QA/QC Approval: _____

PMI
QA 2

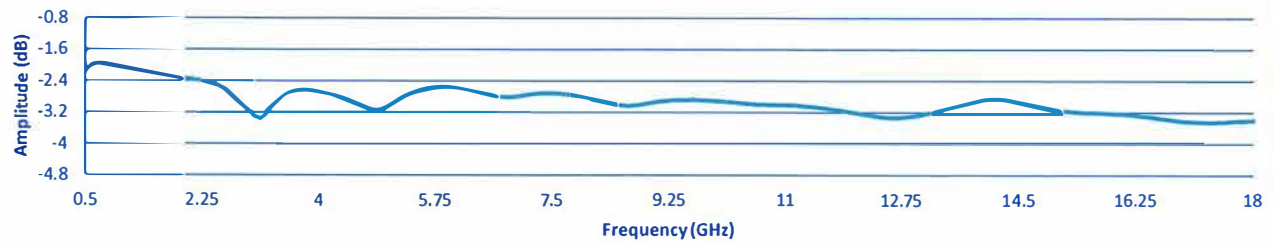
Date: _____

1/20/2022

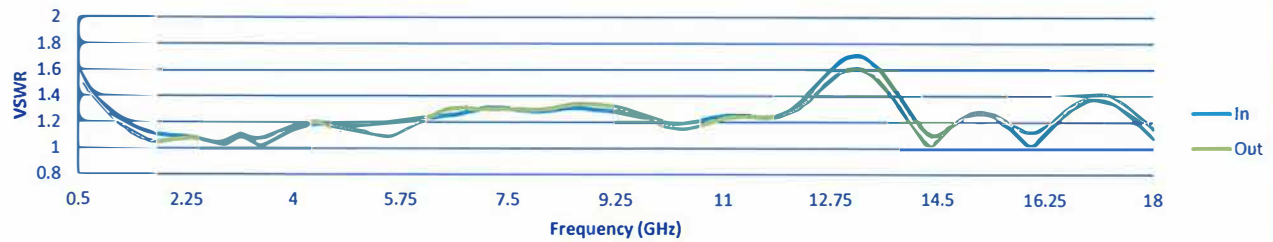
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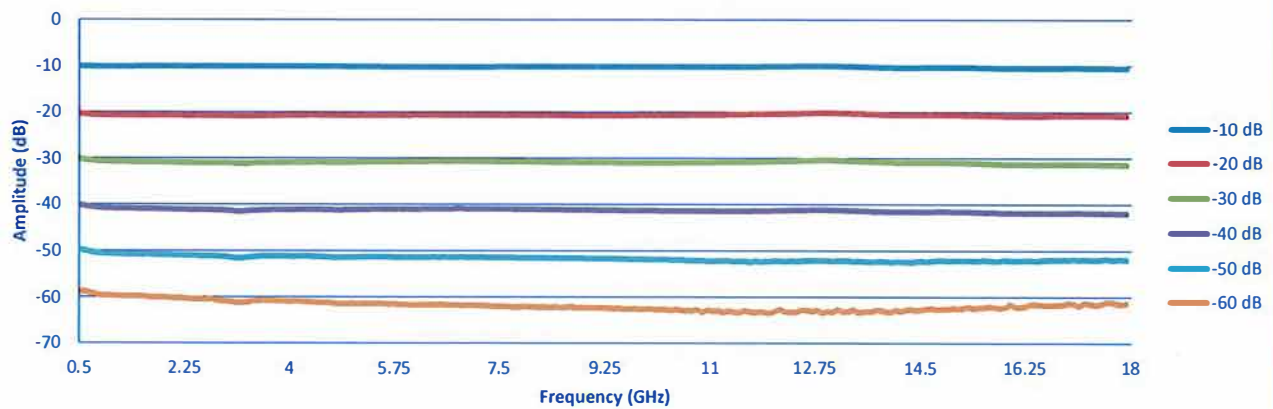
Insertion Loss



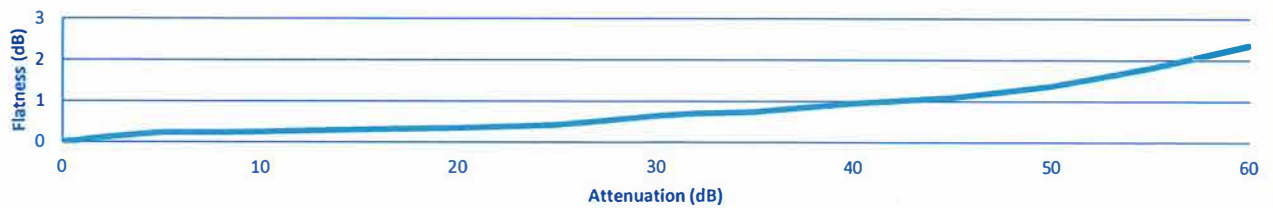
VSWR



Attenuation vs. Frequency



Flatness



Accuracy

