



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

Customer:

Job No:

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

Serial No: PL34175/2140

Tested By: K. Mansfield

Date: Thursday, September 30, 2021

Temperature: +25° C

Drawing No: 27617795 Rev: A3

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	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.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.44 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.77 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.85 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.11 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.17 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.31 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	±dB
0.0625	0.06	0.00	0.01
0.125	0.12	0.00	0.01
0.25	0.26	-0.01	0.02
0.50	0.51	-0.01	0.03
1.00	1.01	-0.01	0.07
2.00	2.03	-0.03	0.11
4.00	4.04	-0.04	0.20
8.00	8.07	-0.07	0.26
16.00	16.09	-0.15	0.35
32.00	32.15	-0.15	0.64
62.00	61.97	0.03	3.47
63.94	63.79	0.14	4.00

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.03	-0.03	0.23
10.00	10.08	-0.08	0.27
15.00	15.03	-0.03	0.34
20.00	20.11	-0.11	0.44
25.00	25.11	-0.11	0.52
30.00	30.14	-0.14	0.61
35.00	35.14	-0.14	0.72
40.00	40.17	-0.17	0.77
45.00	45.18	-0.18	0.81
50.00	50.14	-0.14	1.19
55.00	55.23	-0.23	1.78
60.00	60.31	-0.31	2.85

QA/QC Approval:

PMI
QA 2

Date:

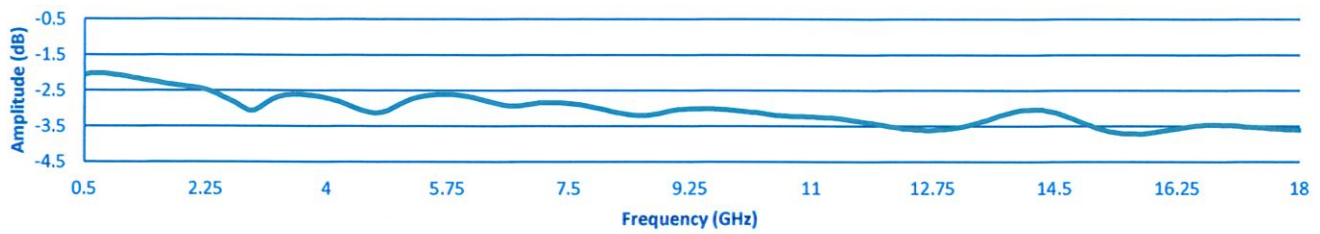
9/30/2021



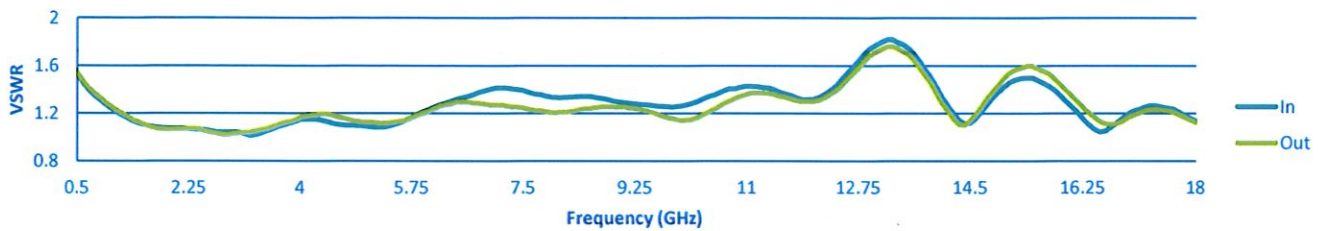
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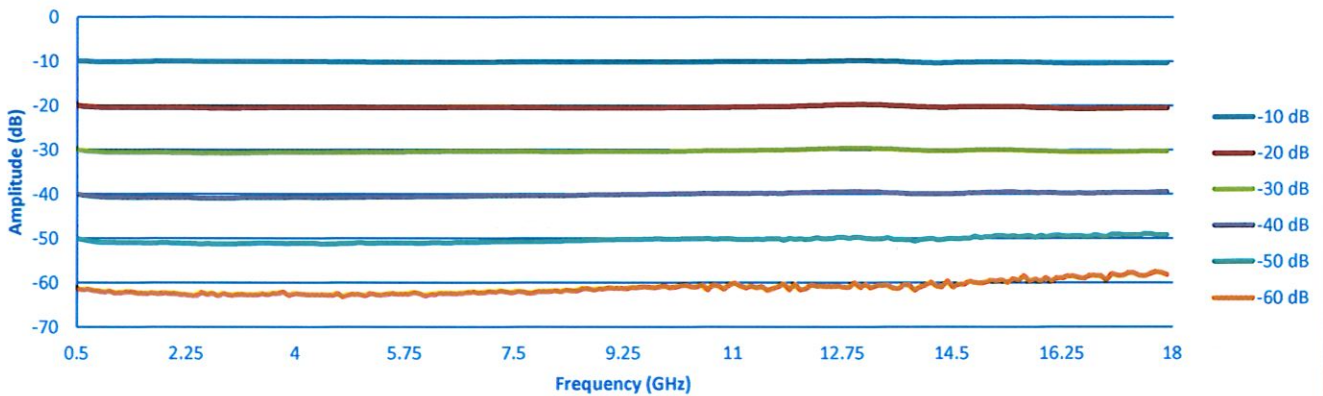
Insertion Loss



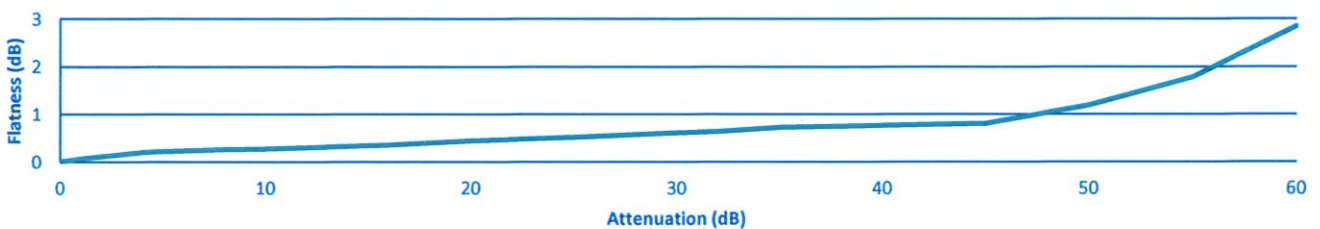
VSWR



Attenuation vs. Frequency



Flatness



Accuracy

