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

Customer: _____ **Tested By:** K. Mansfield

Job No: **Date:** Thursday, September 30, 2021

Model No: DTA-0R5G18G-60-CD-1 **Temperature:** +25° C

Serial No: PL34176/2140 **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.	3.9 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.49 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.71 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.56 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.06 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.07 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.13 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	±dB
0.0625	0.05	0.01	0.01
0.125	0.12	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	0.99	0.01	0.07
2.00	2.00	0.00	0.12
4.00	4.02	-0.02	0.22
8.00	8.05	-0.05	0.30
16.00	16.01	0.00	0.39
32.00	32.00	0.00	0.59
62.00	62.27	-0.27	3.17
63.94	63.80	0.13	3.73

Programed A ttenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.01	-0.01	0.26
10.00	10.06	-0.06	0.30
15.00	14.95	0.05	0.36
20.00	19.97	0.03	0.49
25.00	24.93	0.07	0.50
30.00	30.01	-0.01	0.57
35.00	35.00	0.00	0.67
40.00	40.05	-0.05	0.71
45.00	44.95	0.05	0.68
50.00	49.87	0.13	1.06
55.00	55.05	-0.05	1.57
60.00	59.94	0.06	2.56

QA/QC Approval: PMI QA 2 Date: 9/30/2021

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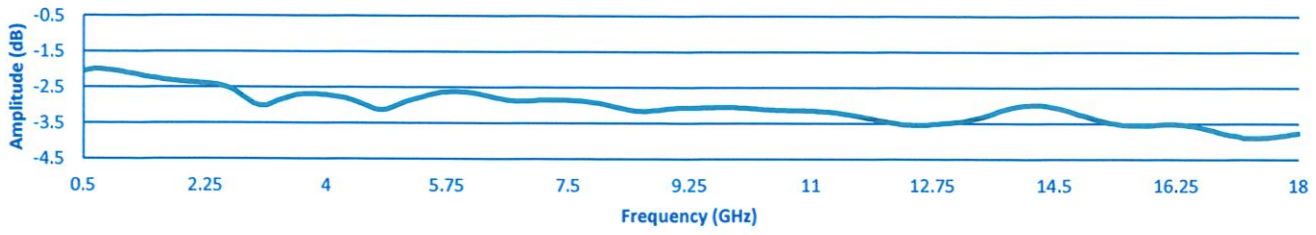
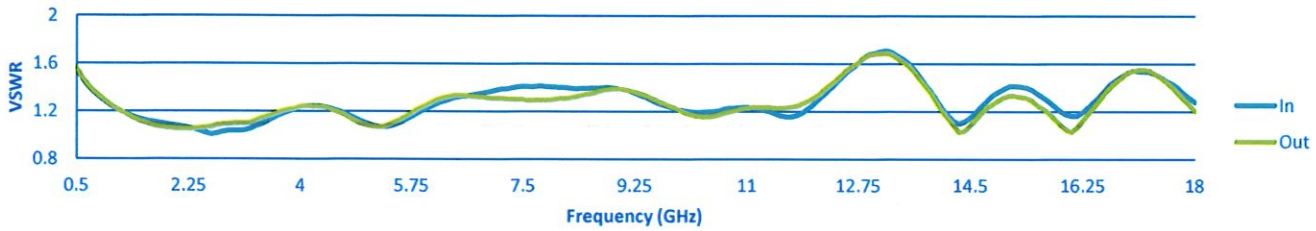
PL34176/2140

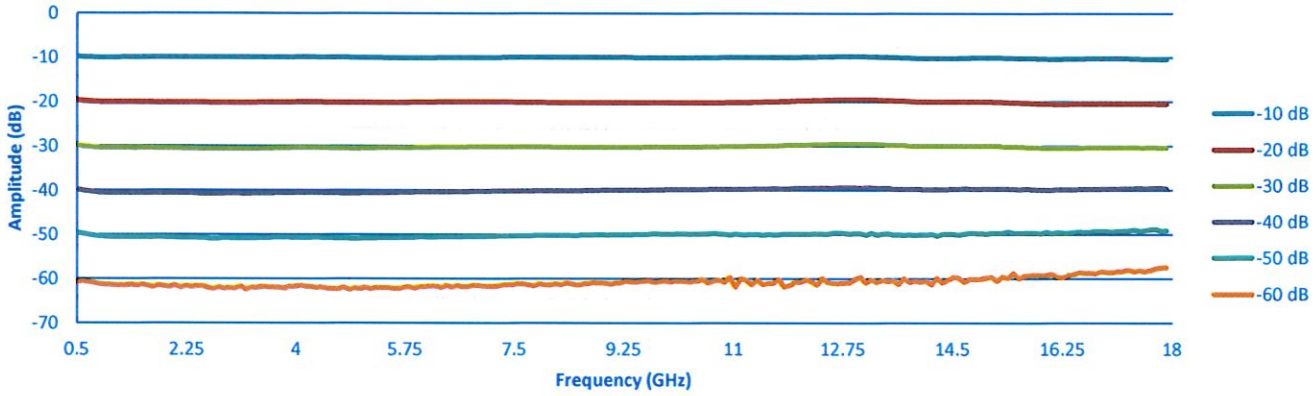
Insertion Loss



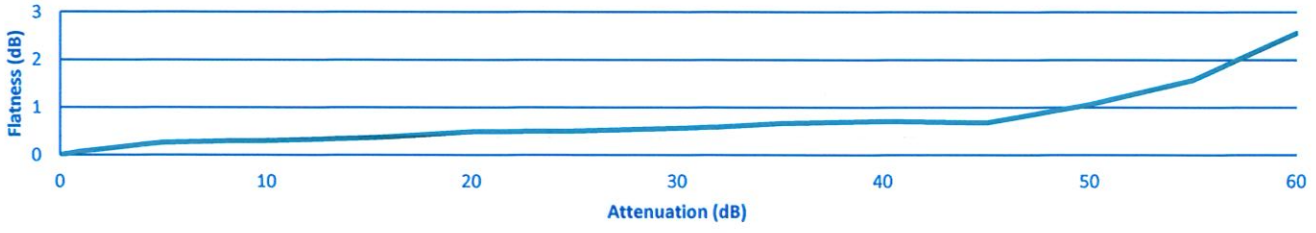
VSWR



Attenuation vs. Frequency



Flatness



Accuracy