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: PL34178/2140 **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.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.56 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.6 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.3 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.16 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.16 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.28 dB See Plot	
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 155 mA	115 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.02	0.01
0.125	0.11	0.01	0.02
0.25	0.25	0.00	0.03
0.50	0.51	-0.01	0.05
1.00	1.02	-0.02	0.08
2.00	2.02	-0.02	0.14
4.00	4.04	-0.04	0.23
8.00	8.05	-0.05	0.31
16.00	16.09	-0.16	0.49
32.00	32.16	-0.16	0.59
62.00	62.42	-0.42	2.84
63.94	63.92	0.02	3.37

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.84	0.16	0.25
10.00	10.06	-0.06	0.35
15.00	15.03	-0.03	0.47
20.00	20.12	-0.12	0.56
25.00	25.10	-0.10	0.57
30.00	30.14	-0.14	0.58
35.00	35.11	-0.11	0.57
40.00	40.15	-0.15	0.60
45.00	45.04	-0.04	0.66
50.00	50.14	-0.14	0.80
55.00	55.15	-0.15	1.48
60.00	60.28	-0.28	2.30

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

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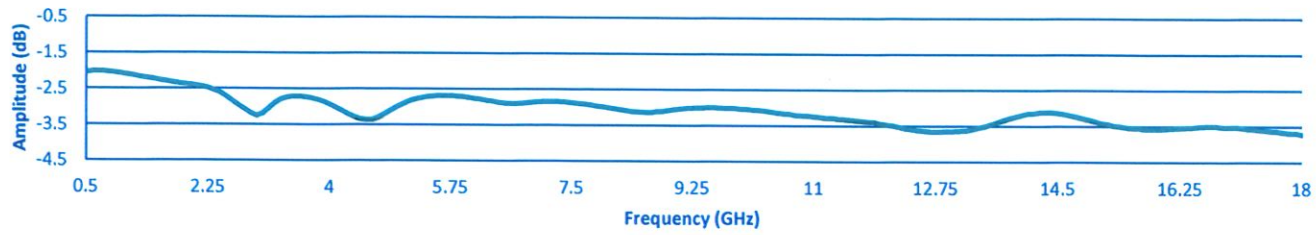
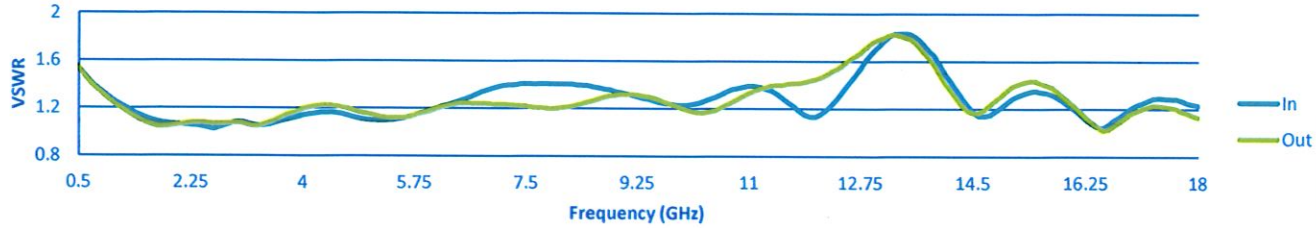
ON
DTA-0R5G18G-60-CD-1

PL34178/2140

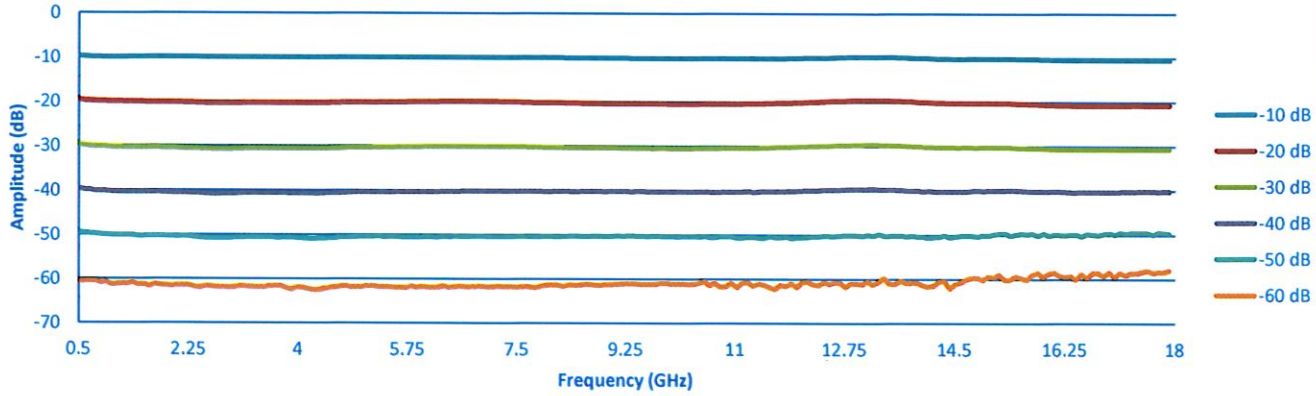
Insertion Loss



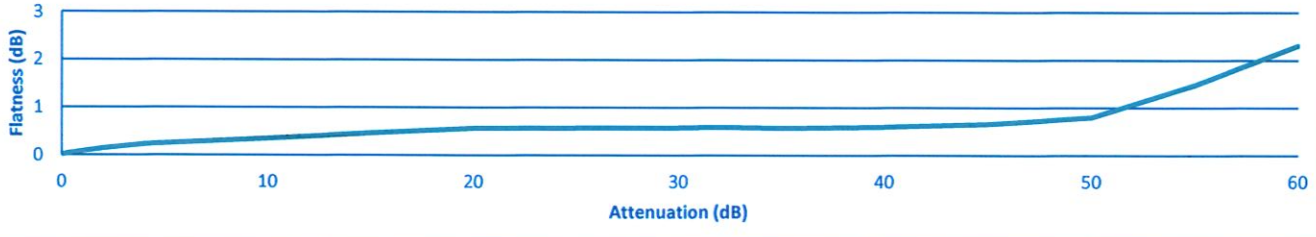
VSWR



Attenuation vs. Frequency



Flatness



Accuracy