

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 24020
 Part No: _____

Tested By: K. Mansfield
 Temperature: +25° C
 Date: 10/20/2022
 Drawing No: 27617783 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA2	
2	Insertion Loss:	4.5 dB Max.	4.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.45 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.63 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.34 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.44 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.71 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.77 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	121 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.01	0.02
0.125	0.14	-0.01	0.04
0.25	0.26	-0.01	0.05
0.50	0.52	-0.02	0.06
1.00	1.03	-0.03	0.06
2.00	2.07	-0.07	0.10
4.00	4.12	-0.12	0.17
8.00	8.21	-0.21	0.23
16.00	16.38	-0.62	0.33
32.00	32.62	-0.62	0.57
62.00	62.66	-0.66	1.66
63.94	64.42	-0.48	2.12

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.13	-0.13	0.20
10.00	10.26	-0.26	0.24
15.00	15.30	-0.30	0.30
20.00	20.44	-0.44	0.45
25.00	25.47	-0.47	0.53
30.00	30.60	-0.60	0.56
35.00	35.64	-0.64	0.55
40.00	40.71	-0.71	0.63
45.00	45.74	-0.74	0.71
50.00	50.77	-0.77	0.84
55.00	55.64	-0.64	1.01
60.00	60.68	-0.68	1.34

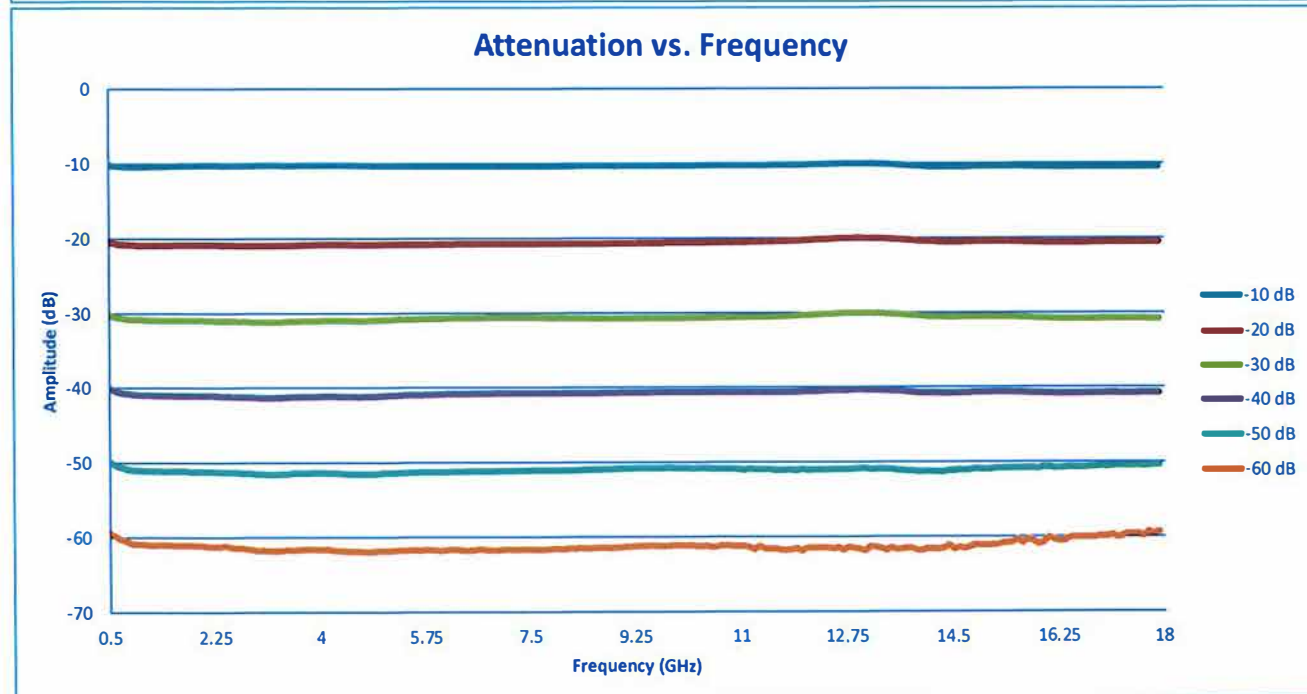
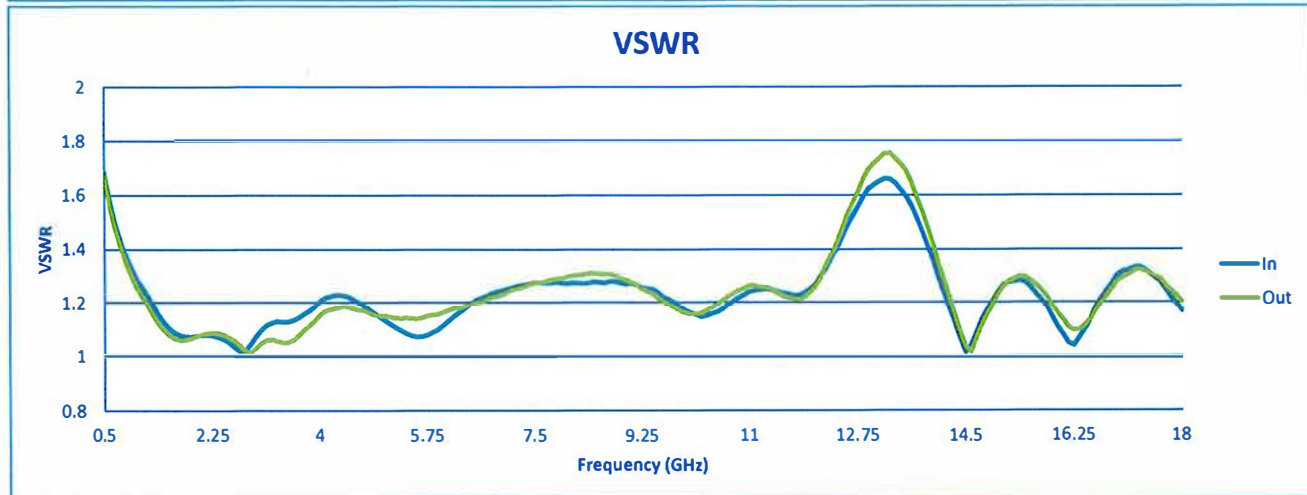
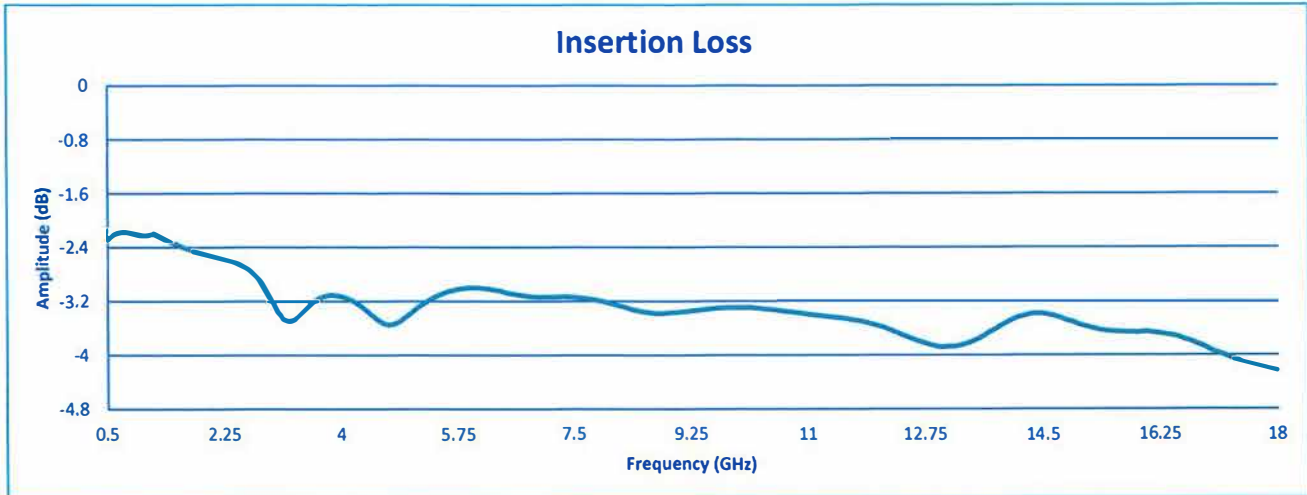
QA/QC Approval: 

PMI
QA2

Date: 10/21/2022

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

24020



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