

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 24025
 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.	4.1 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 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.	0.58 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.58 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.42 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.66 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.79 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	114 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.02
0.125	0.14	-0.01	0.03
0.25	0.26	-0.01	0.05
0.50	0.52	-0.02	0.06
1.00	1.03	-0.03	0.07
2.00	2.06	-0.06	0.11
4.00	4.10	-0.10	0.21
8.00	8.18	-0.18	0.29
16.00	16.32	-0.60	0.36
32.00	32.60	-0.60	0.52
62.00	62.85	-0.85	2.02
63.94	64.64	-0.70	2.12

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.09	-0.09	0.24
10.00	10.22	-0.22	0.29
15.00	15.24	-0.24	0.34
20.00	20.42	-0.42	0.45
25.00	25.47	-0.47	0.51
30.00	30.58	-0.58	0.53
35.00	35.64	-0.64	0.55
40.00	40.66	-0.66	0.58
45.00	45.69	-0.69	0.72
50.00	50.74	-0.74	0.90
55.00	55.69	-0.69	1.19
60.00	60.79	-0.79	1.58

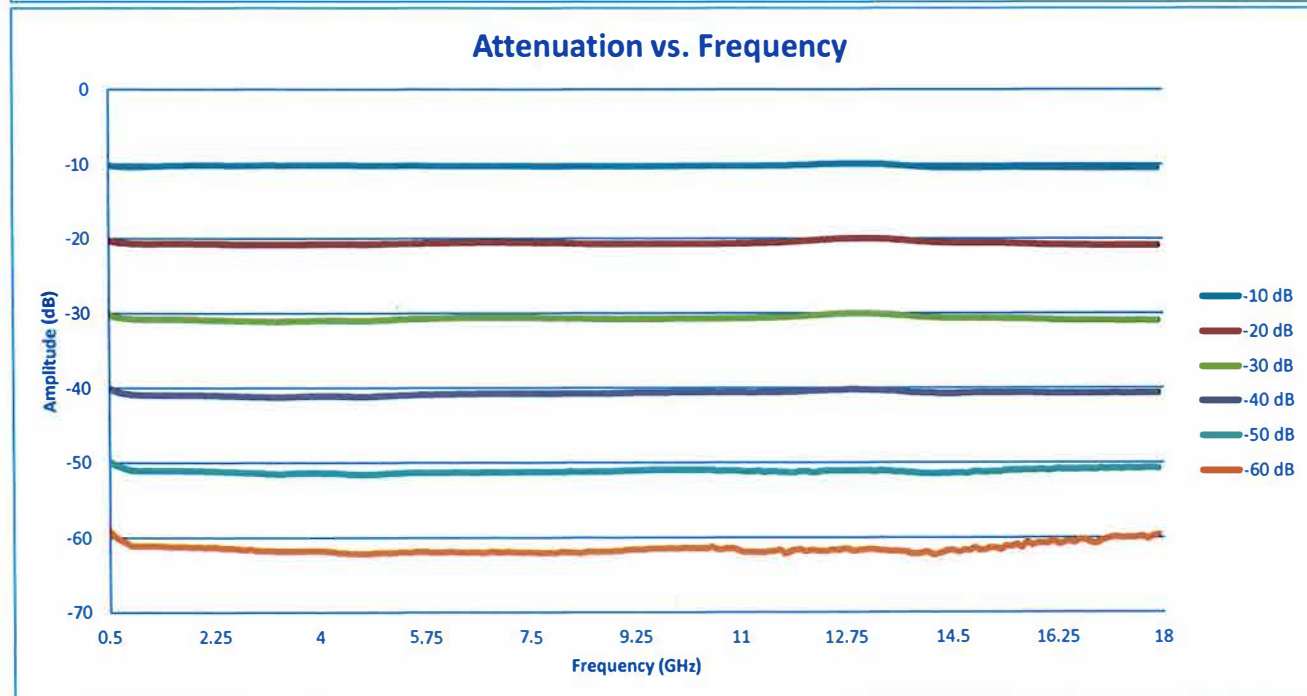
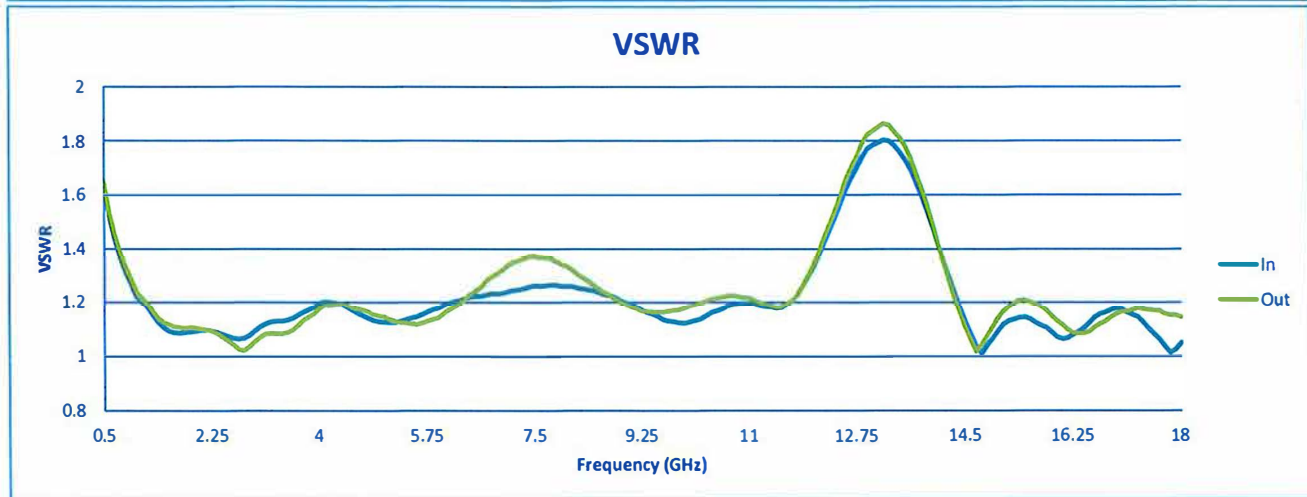
QA/QC Approval:

PMI
QA2

Date: 10/21/2022

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