

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

Customer: _____
 SO No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 13383
 Part No: _____

Tested By: K. Mansfield
 Date: 11/23/2021
 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 QA 2	
2	Insertion Loss:	4.8 dB Max.	3.4 dB See Plot		
3	VSWR:	2.0:1 Max.	1.85:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.59 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.8 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.37 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.07 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.06 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.15 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	110 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.0625	0.05	0.01	0.00
0.125	0.12	0.01	0.01
0.25	0.25	0.00	0.01
0.50	0.50	0.00	0.03
1.00	0.99	0.01	0.07
2.00	2.00	0.00	0.11
4.00	4.01	-0.01	0.22
8.00	8.01	-0.01	0.31
16.00	16.00	0.01	0.51
32.00	31.99	0.01	0.80
62.00	61.94	0.06	1.77
63.94	63.99	-0.05	2.30

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.98	0.02	0.25
10.00	10.02	-0.02	0.32
15.00	14.93	0.07	0.47
20.00	20.00	0.00	0.59
25.00	24.96	0.04	0.68
30.00	29.98	0.02	0.80
35.00	34.94	0.06	0.80
40.00	39.95	0.05	0.67
45.00	44.98	0.02	0.69
50.00	49.99	0.01	0.75
55.00	54.85	0.15	0.94
60.00	59.93	0.07	1.37

QA/QC Approval: 

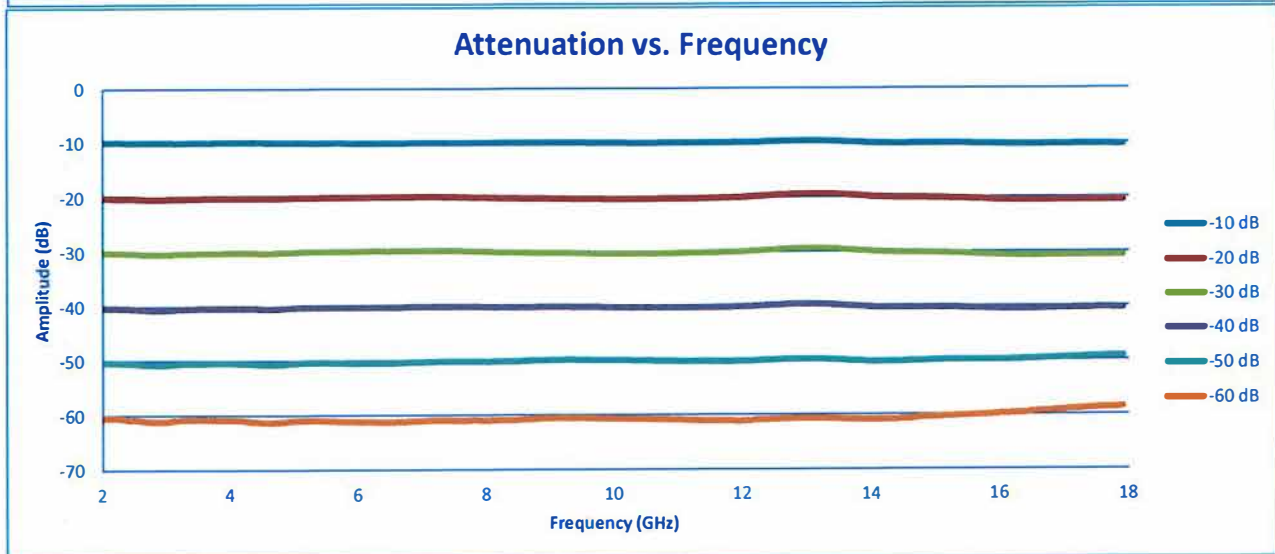
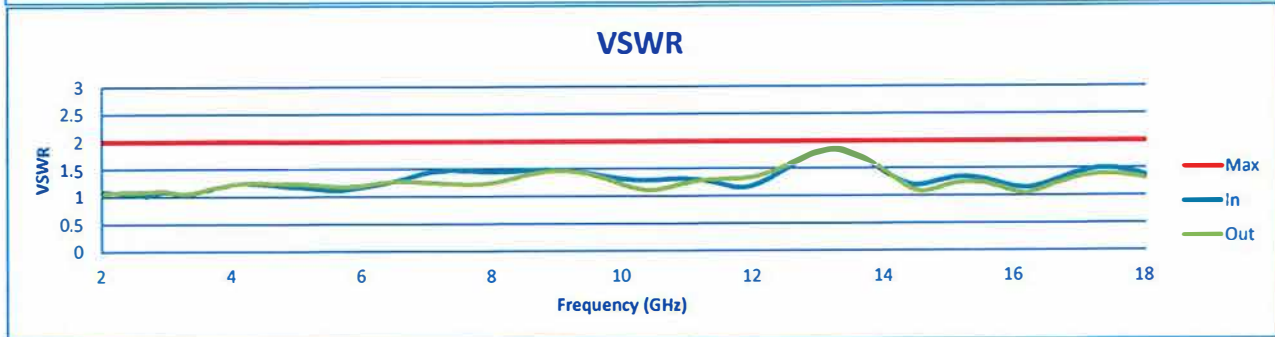
PMI
QA 2

Date: 11/24/2021

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@pmi-rf.com

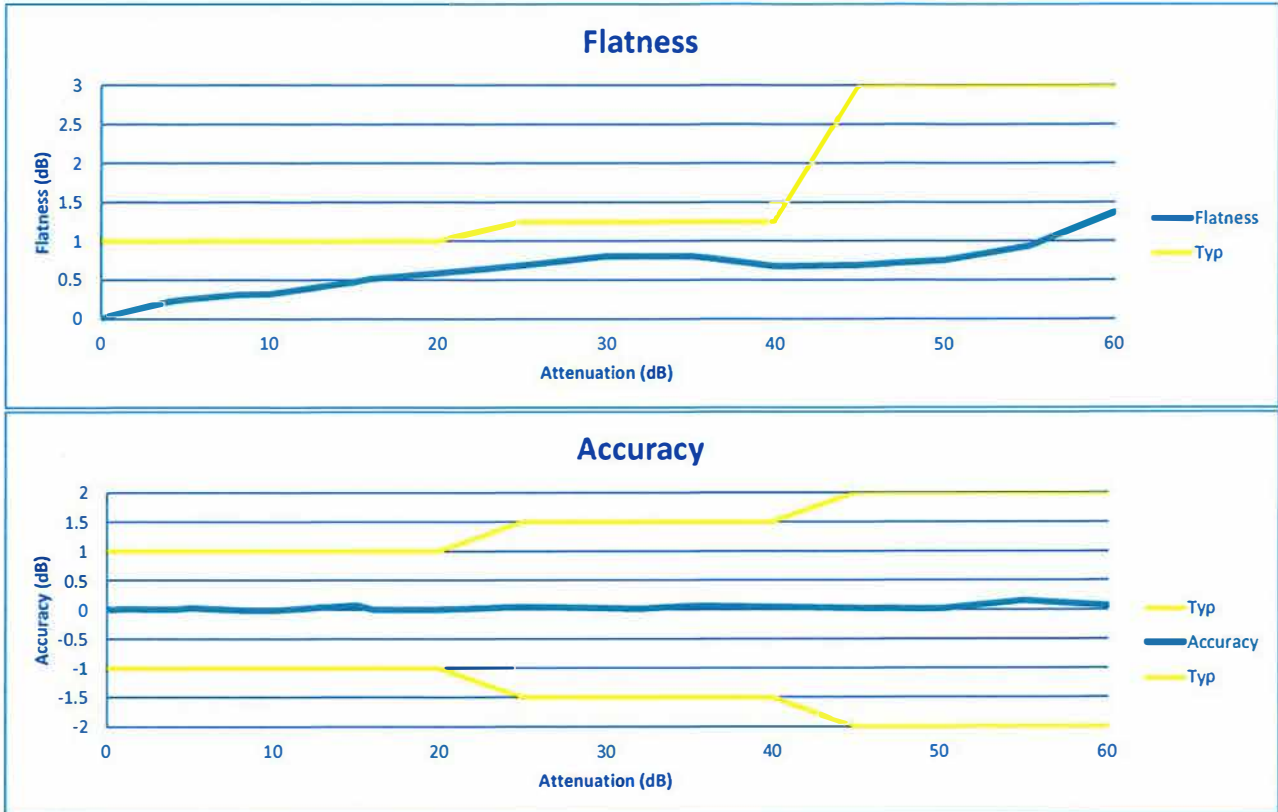
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