



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL17100/1515

Tested By: E. Kretz
 Date: Tuesday, June 19, 2018
 Temperature: +25° C
 Drawing No: 27617795 Rev: A2

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 1	
2	Insertion Loss:	4.8 dB Max.	4.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.87 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.88 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.03 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.85 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1.1 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.78 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 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.00	0.02
0.125	0.12	0.01	0.04
0.25	0.24	0.01	0.05
0.50	0.49	0.01	0.08
1.00	0.97	0.03	0.10
2.00	1.96	0.04	0.15
4.00	3.90	0.10	0.19
8.00	7.82	0.18	0.28
16.00	15.57	0.94	0.59
32.00	31.06	0.94	0.88
62.00	60.13	1.87	1.47
63.94	62.35	1.59	2.13

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.86	0.14	0.21
10.00	9.76	0.24	0.33
15.00	14.56	0.44	0.54
20.00	19.46	0.54	0.72
25.00	24.28	0.72	0.83
30.00	29.15	0.85	0.87
35.00	33.95	1.05	0.88
40.00	38.90	1.10	0.86
45.00	43.66	1.34	0.76
50.00	48.63	1.37	0.70
55.00	53.44	1.56	0.86
60.00	58.22	1.78	1.03

QA/QC Approval: *E. Kretz*

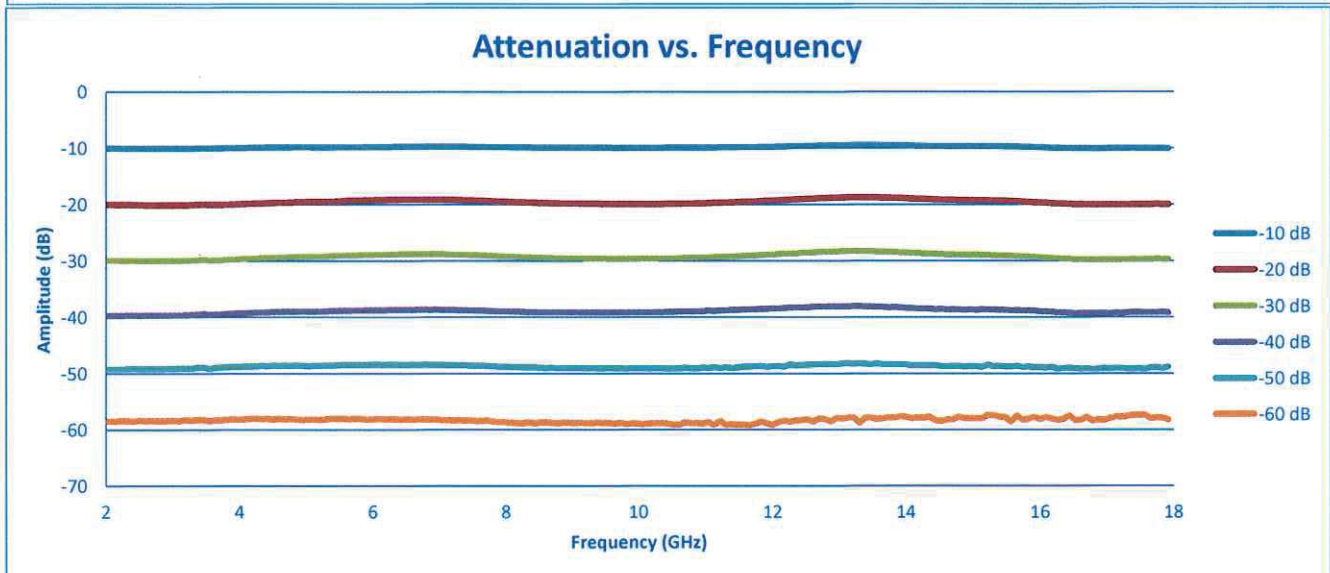
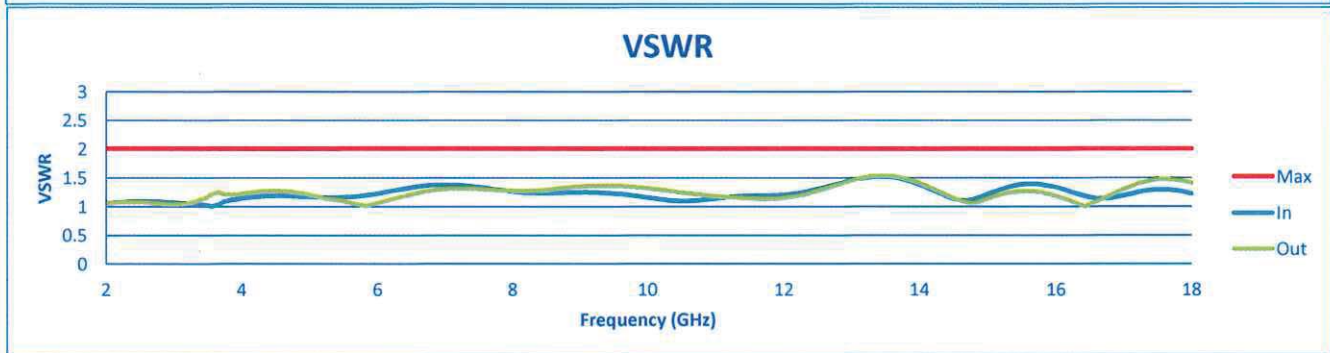
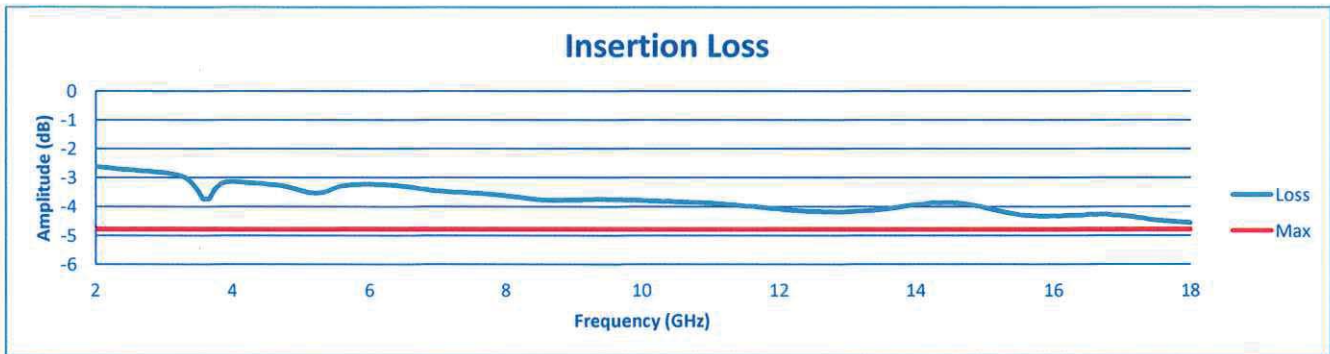
PMI
QA 1

Date: 6/19/18



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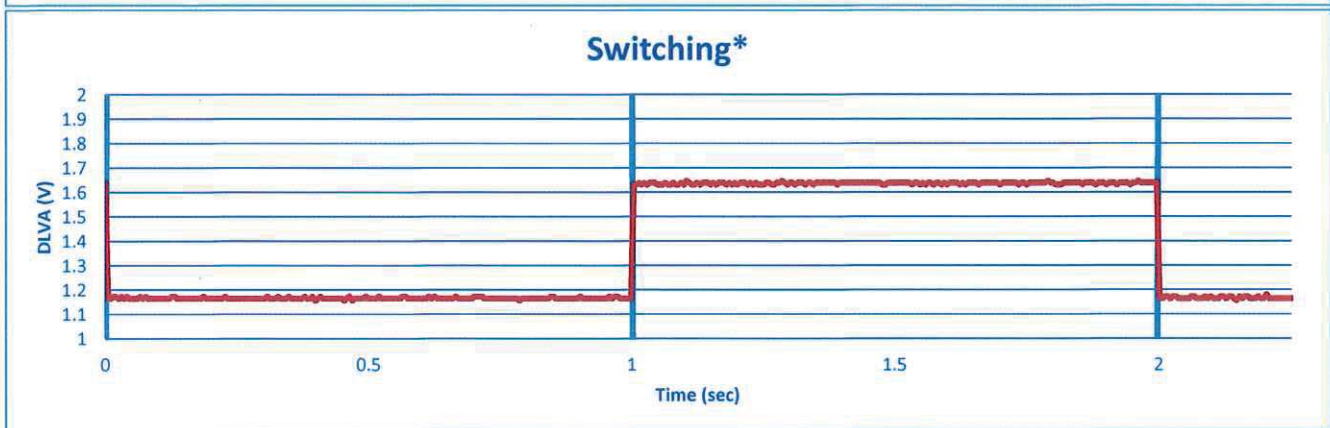
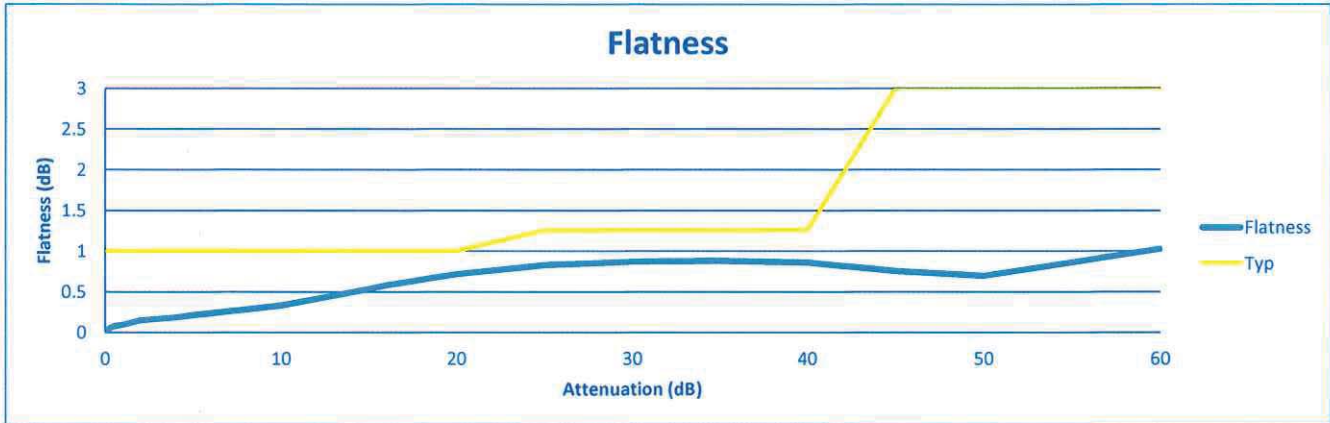
PL17100/1515





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9 GHz @ -13.4 dBm

Switching from 0 to -20 dB Attenuation

25 mV \approx 1 dB