



SUMMARY TEST DATA ON DTA-2G18G-60-12-CD-1-20DBM-TS

Customer: _____
 Job No: _____
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS
 Serial No: PL24017/1850

Tested By: K. Mansfield
 Date: Thursday, December 13, 2018
 Temperature: +25° C
 Drawing No: 27617795 Rev: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA 1	
2	Insertion Loss:	4.8 dB Max.	4.5 dB See Plot		
3	VSWR:	2.0:1 Max.	1.68:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.76 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.	1.55 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.12 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.	0.19 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3V		
12	Switching Speed:	On Time: 1.0 µs Max. Off Time: 0.5 µs Max.	<1.0 µs On Time <0.5 µs Off Time See Typical Characteristics		
13	DC Supply:	+15VDC @ 150 mA Max.	119 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0327	-0.02	0.01
0.0313	0.0593	-0.03	0.01
0.0625	0.09	-0.03	0.03
0.125	0.14	-0.02	0.03
0.25	0.25	0.00	0.04
0.50	0.50	0.00	0.06
1.00	0.99	0.01	0.10
2.00	1.99	0.01	0.14
4.00	3.99	0.01	0.25
8.00	7.98	0.02	0.45
16.00	15.98	-0.01	0.70
32.00	32.01	-0.01	0.79

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.88	0.12	0.29
10.00	9.98	0.02	0.53
15.00	14.93	0.07	0.67
20.00	19.97	0.03	0.76
25.00	24.94	0.06	0.80
30.00	29.96	0.04	0.78
35.00	34.94	0.06	0.78
40.00	40.00	0.00	0.73
45.00	45.02	-0.02	0.68
50.00	50.07	-0.07	0.71
55.00	54.81	0.19	1.05
60.00	59.95	0.05	1.55

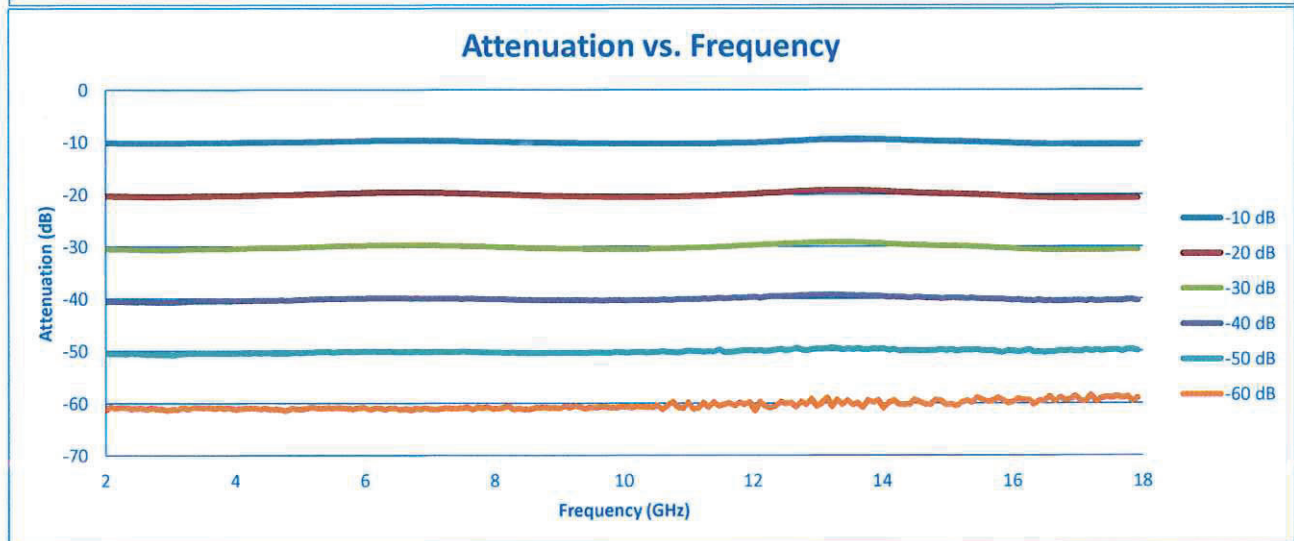
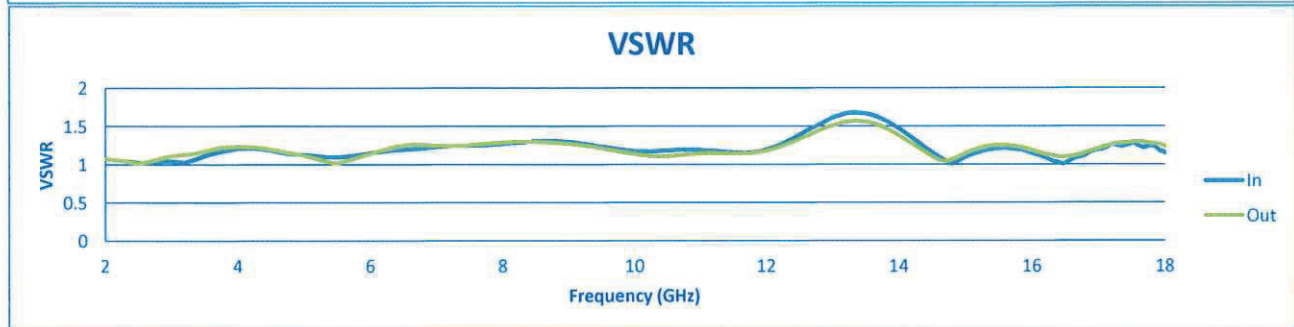
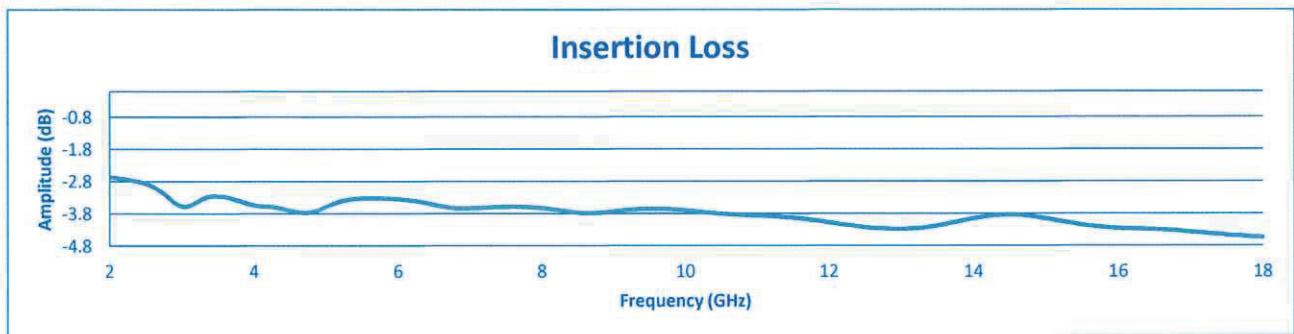
QA/QC Approval: [Signature] PMI QA 1

Date: 12/13/18



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