Quantic PMI
PLANAR MONOLITHICS

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

Customer:
Job No:
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL42420/2340

Tested By: K. Mansfield
Date: Thursday, October 5, 2023
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 QA1
2	Insertion Loss:	4.8 dB Max.	4.4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.71:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.49 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.86 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	3.11 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.23 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.36 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.02 V	
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.	112 mA	PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.030645	-0.015020	0.01
0.03125	0.04294	-0.01169	0.01
0.0625	0.0707	-0.0082	0.01
0.125	0.127	-0.002	0.02
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.04
1.00	0.99	0.01	0.09
2.00	2.00	0.00	0.18
4.00	4.00	0.00	0.32
8.00	8.00	0.00	0.29
16.00	16.04	-0.16	0.37
32.00	32.16	-0.16	0.82

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.37
10.00	10.01	-0.01	0.26
15.00	14.94	0.06	0.34
20.00	20.08	-0.08	0.49
25.00	25.10	-0.10	0.65
30.00	30.14	-0.14	0.81
35.00	35.17	-0.17	0.84
40.00	40.23	-0.23	0.86
45.00	45.29	-0.29	1.11
50.00	50.29	-0.29	1.14
55.00	55.36	-0.36	1.78
60.00	60.24	-0.24	3.11

QA/QC Approval: PMI QA1 Date: 10/5/23

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PL42420/2340

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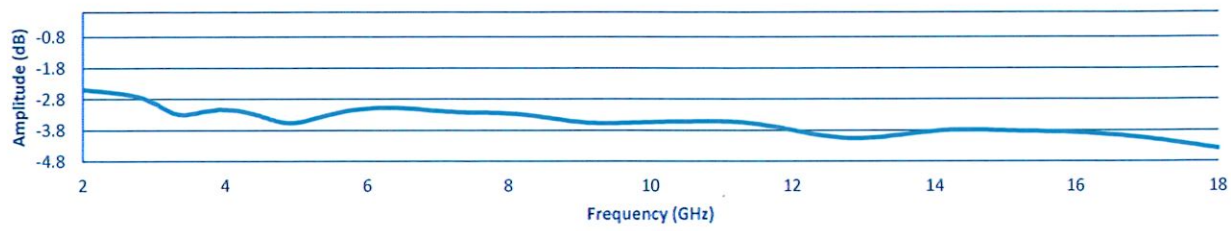
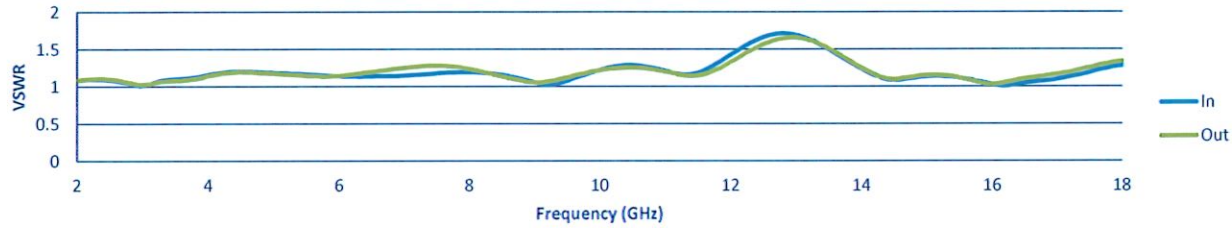
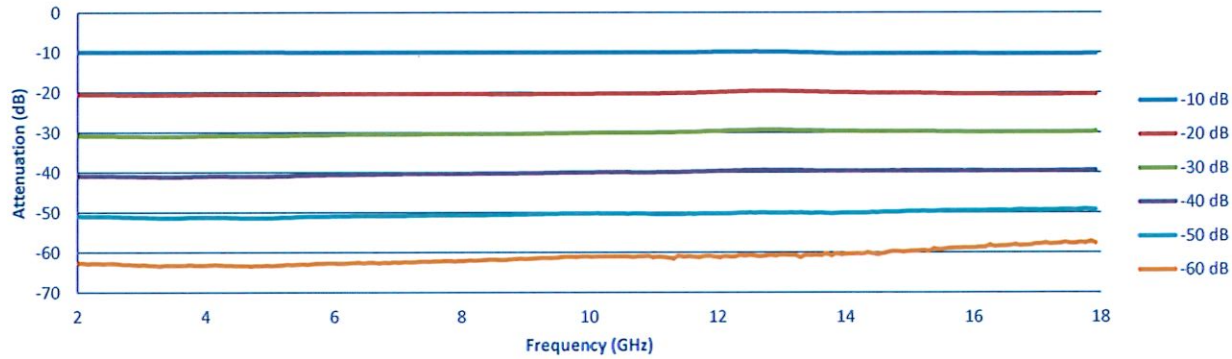
Insertion Loss



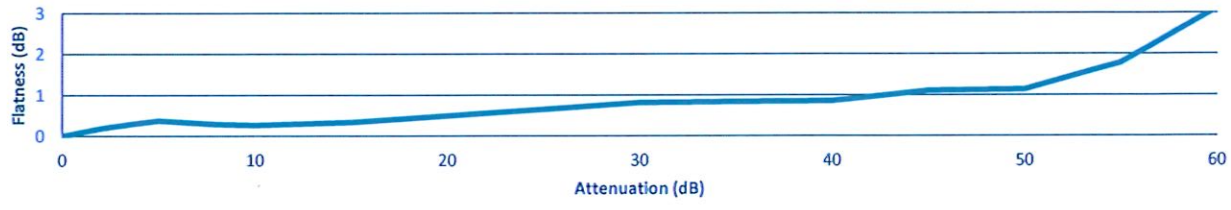
VSWR



Attenuation vs. Frequency



Flatness



Accuracy

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