

**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: PL32228/2117

Tested By: A. Mousavi  
Date: Monday, May 6, 2024  
Temperature: +25° C  
Drawing No: 27040140 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA2	
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot	PMI QA2	
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.	0.89 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.32 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.1 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.19 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.48 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.0 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.	120 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.043272	-0.027647	0.02
0.03125	0.05580	-0.02455	0.02
0.0625	0.0896	-0.0271	0.03
0.125	0.159	-0.034	0.05
0.25	0.30	-0.05	0.07
0.50	0.56	-0.06	0.09
1.00	1.06	-0.06	0.12
2.00	2.05	-0.05	0.16
4.00	4.07	-0.07	0.23
8.00	8.05	-0.05	0.34
16.00	16.08	0.07	0.37
32.00	31.93	0.07	0.73

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.90	0.10	0.26
10.00	10.09	-0.09	0.35
15.00	15.03	-0.03	0.36
20.00	19.97	0.03	0.49
25.00	24.88	0.12	0.62
30.00	29.90	0.10	0.73
35.00	34.90	0.10	0.79
40.00	39.81	0.19	0.89
45.00	44.60	0.40	1.12
50.00	49.58	0.42	1.27
55.00	54.52	0.48	1.69
60.00	60.22	-0.22	2.32

QA/QC Approval: 

PMI  
QA2

Date: 5/8/2024

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