

**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: PL44576/2407

Tested By: K. Mansfield  
 Date: Friday, February 16, 2024  
 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 QA4
2	Insertion Loss:	4.8 dB Max.	4.2 dB See Plot	
3	VSWR:	2.0:1 Max.	1.6:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.39 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.54 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.18 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.	0.22 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.23 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.03 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.	121 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.024932	-0.009307	0.01
0.03125	0.04076	-0.00951	0.01
0.0625	0.0666	-0.0041	0.01
0.125	0.124	0.001	0.01
0.25	0.26	-0.01	0.02
0.50	0.51	-0.01	0.04
1.00	1.02	-0.02	0.10
2.00	2.05	-0.05	0.19
4.00	4.09	-0.09	0.33
8.00	8.12	-0.12	0.26
16.00	16.10	-0.18	0.34
32.00	32.18	-0.18	0.52

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.10	-0.10	0.37
10.00	10.12	-0.12	0.23
15.00	15.01	-0.01	0.30
20.00	20.11	-0.11	0.39
25.00	25.13	-0.13	0.45
30.00	30.17	-0.17	0.54
35.00	35.18	-0.18	0.48
40.00	40.22	-0.22	0.43
45.00	45.23	-0.23	0.35
50.00	50.16	-0.16	0.46
55.00	55.21	-0.21	0.86
60.00	60.19	-0.19	2.18

QA/QC Approval: *Camreny Helen* **PMI QA4**

Date: 02/20/24

