

**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: PL44575/2407

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.	4.3 dB See Plot	PMI QA4	
3	VSWR:	2.0:1 Max.	1.72:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.41 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.61 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.16 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.28 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.56 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.65 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.05 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	0.026942	-0.011317	0.01
0.03125	0.04273	-0.01148	0.01
0.0625	0.0713	-0.0088	0.01
0.125	0.129	-0.004	0.02
0.25	0.26	-0.01	0.02
0.50	0.50	0.00	0.04
1.00	1.02	-0.02	0.10
2.00	2.05	-0.05	0.19
4.00	4.09	-0.09	0.32
8.00	8.15	-0.15	0.25
16.00	16.23	-0.47	0.33
32.00	32.47	-0.47	0.58

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.09	-0.09	0.36
10.00	10.17	-0.17	0.20
15.00	15.11	-0.11	0.29
20.00	20.28	-0.28	0.41
25.00	25.35	-0.35	0.51
30.00	30.43	-0.43	0.61
35.00	35.48	-0.48	0.52
40.00	40.56	-0.56	0.44
45.00	45.59	-0.59	0.35
50.00	50.57	-0.57	0.70
55.00	55.65	-0.65	1.01
60.00	60.53	-0.53	1.16

QA/QC Approval: *Cameron Kelley* **PMI QA4** Date: 02/20/24

