

**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: PL42422/2340

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.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.84:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.64 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.82 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.09 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.15 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.32 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	3.05 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.	113 mA	PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.024884	-0.009259	0.01
0.03125	0.04034	-0.00909	0.01
0.0625	0.0639	-0.0014	0.01
0.125	0.125	0.000	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.06
1.00	1.01	-0.01	0.12
2.00	2.03	-0.03	0.24
4.00	4.03	-0.03	0.43
8.00	8.06	-0.06	0.39
16.00	16.11	-0.29	0.52
32.00	32.29	-0.29	0.79

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.04	-0.04	0.50
10.00	10.07	-0.07	0.37
15.00	15.02	-0.02	0.49
20.00	20.15	-0.15	0.64
25.00	25.18	-0.18	0.74
30.00	30.25	-0.25	0.80
35.00	35.28	-0.28	0.82
40.00	40.32	-0.32	0.80
45.00	45.33	-0.33	0.63
50.00	50.41	-0.41	0.63
55.00	55.45	-0.45	1.51
60.00	60.48	-0.48	2.09

QA/QC Approval:  PMI QA1

Date: 10/5/23

