

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

Customer: \_\_\_\_\_ Tested By: K. Mansfield  
 Job No: \_\_\_\_\_ Date: Thursday, October 5, 2023  
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI Temperature: +25° C  
 Serial No: PL42421/2340 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.	1.77:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.6 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.	1.1 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.29 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.9 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.4 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.	110 mA	PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.019904	-0.004279	0.01
0.03125	0.03328	-0.00203	0.01
0.0625	0.0619	0.0006	0.01
0.125	0.118	0.007	0.02
0.25	0.23	0.02	0.03
0.50	0.47	0.03	0.05
1.00	0.96	0.04	0.11
2.00	1.94	0.06	0.21
4.00	3.90	0.10	0.36
8.00	7.89	0.11	0.46
16.00	16.17	-0.53	0.39
32.00	32.53	-0.53	0.82

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.89	0.11	0.42
10.00	9.94	0.06	0.31
15.00	15.01	-0.01	0.35
20.00	20.29	-0.29	0.60
25.00	25.40	-0.40	0.76
30.00	30.61	-0.61	0.82
35.00	35.60	-0.60	0.81
40.00	40.90	-0.90	0.70
45.00	45.64	-0.64	0.76
50.00	50.56	-0.56	0.71
55.00	55.42	-0.42	0.87
60.00	61.40	-1.40	1.10

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

