



# 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: PL31994/2114

Tested By: S. O'Neill  
 Date: Friday, April 8, 2022  
 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              PMI QA1
2	Insertion Loss:	4.8 dB Max.	4.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.61:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.47 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.62 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.89 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.16 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.18 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.17 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.01 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	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.020024	-0.004399	0.00
0.03125	0.03350	-0.00225	0.00
0.0625	0.0619	0.0006	0.01
0.125	0.121	0.004	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.04
1.00	1.00	0.00	0.08
2.00	2.01	-0.01	0.16
4.00	4.02	-0.02	0.26
8.00	8.01	-0.01	0.23
16.00	15.93	0.13	0.36
32.00	31.87	0.13	0.62

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.02	-0.02	0.29
10.00	9.99	0.01	0.24
15.00	14.84	0.16	0.32
20.00	19.91	0.09	0.47
25.00	24.86	0.14	0.56
30.00	29.87	0.13	0.61
35.00	34.82	0.18	0.60
40.00	39.83	0.17	0.60
45.00	44.84	0.16	0.57
50.00	49.88	0.12	0.78
55.00	54.85	0.15	1.22
60.00	59.85	0.15	1.89

QA/QC Approval:  PMI QA1

Date: 4/11/22



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PL31894/2114

