



## 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: PL31993/2114

Tested By: K. Wagaman  
 Date: Tuesday, January 18, 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	
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot		
3	VSWR:	2.0:1 Max.	1.69:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.43 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.71 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.85 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.1 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.27 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.95 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.18 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.	118 mA		PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0238	-0.01	0.00
0.0313	0.0436	-0.01	0.00
0.0625	0.0728	-0.01	0.01
0.125	0.139	-0.01	0.01
0.25	0.27	-0.02	0.03
0.50	0.53	-0.03	0.05
1.00	1.04	-0.04	0.09
2.00	2.05	-0.05	0.16
4.00	4.04	-0.04	0.21
8.00	8.02	-0.02	0.28
16.00	16.00	0.16	0.39
32.00	31.84	0.16	0.68

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.90	0.10	0.23
10.00	10.01	-0.01	0.31
15.00	14.93	0.07	0.37
20.00	19.95	0.05	0.43
25.00	24.88	0.12	0.49
30.00	29.90	0.10	0.55
35.00	34.77	0.23	0.59
40.00	39.73	0.27	0.71
45.00	44.58	0.42	0.87
50.00	49.50	0.50	1.11
55.00	54.29	0.71	1.41
60.00	59.05	0.95	1.85

QA/QC Approval:

PMI  
QA1

Date: 1/18/22



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

PL31993/2114

