



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: PL31996/2114

Tested By: K. Mansfield
 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	
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.	0.47 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.74 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.71 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.22 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.4 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.95 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		PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.016041	-0.000416	0.00
0.03125	0.03096	0.00029	0.00
0.0625	0.0612	0.0013	0.01
0.125	0.122	0.003	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.05
1.00	1.01	-0.01	0.09
2.00	2.02	-0.02	0.17
4.00	4.04	-0.04	0.31
8.00	8.06	-0.06	0.32
16.00	16.06	-0.17	0.37
32.00	32.17	-0.17	0.72

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.04	-0.04	0.35
10.00	10.05	-0.05	0.29
15.00	14.96	0.04	0.35
20.00	20.08	-0.08	0.47
25.00	25.07	-0.07	0.61
30.00	30.14	-0.14	0.69
35.00	35.15	-0.15	0.72
40.00	40.22	-0.22	0.74
45.00	45.23	-0.23	0.77
50.00	50.35	-0.35	0.84
55.00	55.40	-0.40	1.17
60.00	60.39	-0.39	1.71

QA/QC Approval:  PMI QA1

Date: 4/11/22



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

PL31996/2114

