



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: PL31991/2114

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	
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.	0.39 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.57 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.43 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.28 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.69 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.07 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.1 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
0.015625	0.018814	-0.003189	0.00
0.03125	0.03093	0.00032	0.00
0.0625	0.0613	0.0012	0.01
0.125	0.125	0.000	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.05
1.00	1.00	0.00	0.09
2.00	2.01	-0.01	0.18
4.00	4.03	-0.03	0.32
8.00	8.07	-0.07	0.33
16.00	16.19	-0.54	0.31
32.00	32.54	-0.54	0.57

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	5.02	-0.02	0.36
10.00	10.09	-0.09	0.29
15.00	15.08	-0.08	0.29
20.00	20.28	-0.28	0.39
25.00	25.35	-0.35	0.49
30.00	30.48	-0.48	0.55
35.00	35.55	-0.55	0.54
40.00	40.69	-0.69	0.52
45.00	45.82	-0.82	0.52
50.00	50.95	-0.95	0.76
55.00	56.01	-1.01	1.06
60.00	61.07	-1.07	1.43

QA/QC Approval:

PMI
QA1

Date: 4/11/22



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