



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: PL33251/2130

Tested By: K. Mansfield
 Date: Saturday, July 31, 2021
 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 QA 2	
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot		
3	VSWR:	2.0:1 Max.	1.87:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.44 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.59 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.12 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.	0.08 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.2 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3 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 QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.0156	-0.0093	0.02	0.04
0.0313	0.0017	0.03	0.04
0.0625	0.0289	0.03	0.05
0.125	0.089	0.04	0.05
0.25	0.22	0.03	0.06
0.50	0.47	0.03	0.07
1.00	0.98	0.02	0.10
2.00	2.01	-0.01	0.17
4.00	4.04	-0.04	0.29
8.00	8.07	-0.07	0.27
16.00	16.02	-0.08	0.33
32.00	32.08	-0.08	0.57

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	5.05	-0.05	0.33
10.00	10.05	-0.05	0.25
15.00	14.92	0.08	0.30
20.00	20.02	-0.02	0.44
25.00	24.96	0.04	0.54
30.00	30.05	-0.05	0.57
35.00	35.00	0.00	0.59
40.00	40.01	-0.01	0.46
45.00	45.01	-0.01	0.37
50.00	50.06	-0.06	0.56
55.00	55.16	-0.16	0.90
60.00	60.20	-0.20	2.12

QA/QC Approval: _____

PMI
QA 2

Date: 7/31/2021



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