

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

Customer: _____ Tested By: A. Mousavi
 Job No: _____ Date: Monday, May 6, 2024
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI Temperature: +25° C
 Serial No: PL42421/2340 Drawing No: 27040140 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA2	
2	Insertion Loss:	4.8 dB Max.	4.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.81:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.69 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.11 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.55 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.17 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.75 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	2.54 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.0 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.	110 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.024981	-0.009356	0.02
0.03125	0.04500	-0.01375	0.02
0.0625	0.0841	-0.0216	0.04
0.125	0.159	-0.034	0.06
0.25	0.29	-0.04	0.08
0.50	0.53	-0.03	0.09
1.00	1.02	-0.02	0.13
2.00	2.03	-0.03	0.23
4.00	4.06	-0.06	0.39
8.00	7.89	0.11	0.69
16.00	16.09	0.52	0.45
32.00	31.48	0.52	0.93

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.51
10.00	9.91	0.09	0.48
15.00	14.90	0.10	0.38
20.00	19.83	0.17	0.60
25.00	24.67	0.33	0.79
30.00	29.61	0.39	0.89
35.00	34.38	0.62	0.94
40.00	39.25	0.75	1.11
45.00	43.44	1.56	1.32
50.00	47.95	2.05	1.60
55.00	52.46	2.54	2.16
60.00	58.40	1.60	2.55

QA/QC Approval: Date: 5/8/2024

PMI
QA2



