



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

Customer: PMI
 Job No: PMI
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS
 Serial No: PL27601/2004

Tested By: K. Mansfield
 Date: Wednesday, June 2, 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.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.86:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.57 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.92 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.65 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.	0.51 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.05 dB See Plot		
11	Temp. Sensor:	10 mV/°C, 3.0 V @ 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	±dB
-0.0156	0.0185	-0.03	0.00
-0.0313	0.0320	-0.06	0.00
0.0625	0.0673	0.00	0.00
0.125	0.137	-0.01	0.01
0.25	0.28	-0.03	0.02
0.50	0.54	-0.04	0.03
1.00	1.05	-0.05	0.05
2.00	2.07	-0.07	0.10
4.00	4.10	-0.10	0.18
8.00	8.10	-0.10	0.29
16.00	16.04	0.31	0.40
32.00	31.69	0.31	0.90

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.05	-0.05	0.22
10.00	10.09	-0.09	0.32
15.00	14.99	0.01	0.37
20.00	19.99	0.01	0.57
25.00	24.84	0.16	0.77
30.00	29.75	0.25	0.88
35.00	34.58	0.42	0.91
40.00	39.49	0.51	0.92
45.00	44.34	0.66	0.92
50.00	49.20	0.80	1.10
55.00	53.99	1.01	1.43
60.00	58.95	1.05	1.65

QA/QC Approval: [Signature]

PMI
QA 2

Date: 6/8/21



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

PL27601/2004

