



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

Customer: _____
 Job No: _____
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS
 Serial No: PL26408/1935

Tested By: K. Mansfield
 Date: Friday, August 30, 2019
 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 1	
2	Insertion Loss:	4.8 dB Max.	3.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.76:1 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.	0.7 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.74 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.03 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.15 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.26 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.98V		
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.	117 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0042	0.01	0.00
0.0313	0.0237	0.01	0.00
0.0625	0.06	0.00	0.00
0.125	0.12	0.00	0.01
0.25	0.26	-0.01	0.01
0.50	0.50	0.00	0.03
1.00	1.01	-0.01	0.05
2.00	2.01	-0.01	0.11
4.00	4.02	-0.02	0.20
8.00	8.03	-0.03	0.29
16.00	16.03	0.04	0.29
32.00	31.96	0.04	0.66

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.24
10.00	10.03	-0.03	0.30
15.00	14.99	0.01	0.29
20.00	20.01	-0.01	0.39
25.00	24.94	0.06	0.55
30.00	29.94	0.06	0.65
35.00	34.85	0.15	0.69
40.00	39.88	0.12	0.70
45.00	44.80	0.20	0.66
50.00	49.78	0.22	0.87
55.00	54.74	0.26	1.14
60.00	59.75	0.25	1.74

QA/QC Approval:  PMI QA 1

Date: 8/30/19



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