



# 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: PL27985/2009

Tested By: K. Mansfield  
 Date: Friday, August 14, 2020  
 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.	3.9 dB See Plot		
3	VSWR:	2.0:1 Max.	1.81:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.37 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.58 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.1 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.23 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.25 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.43 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.05 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.	117 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	-0.0049	0.02	0.01
0.0313	0.0133	0.02	0.01
0.0625	0.0420	0.02	0.01
0.125	0.098	0.03	0.01
0.25	0.22	0.03	0.01
0.50	0.46	0.04	0.03
1.00	0.95	0.05	0.05
2.00	1.92	0.08	0.10
4.00	3.88	0.12	0.18
8.00	7.85	0.15	0.27
16.00	15.82	0.16	0.32
32.00	31.84	0.16	0.58

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.81	0.19	0.21
10.00	9.84	0.16	0.29
15.00	14.77	0.23	0.31
20.00	19.77	0.23	0.37
25.00	24.75	0.25	0.52
30.00	29.86	0.14	0.58
35.00	34.91	0.09	0.53
40.00	40.01	-0.01	0.44
45.00	44.96	0.04	0.50
50.00	50.12	-0.12	0.56
55.00	55.43	-0.43	0.76
60.00	60.05	-0.05	1.10

QA/QC Approval:  PMI QA 2

Date: 8-17-2020



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