



# 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: PL26370/1934

Tested By: K. Mansfield  
 Date: Wednesday, August 21, 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 QA1	
2	Insertion Loss:	4.8 dB Max.	3.5 dB See Plot		
3	VSWR:	2.0:1 Max.	1.66:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.49 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.2 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.02 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.05 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.	0.13 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.97V		
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 QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0128	0.00	0.00
0.0313	0.0289	0.00	0.00
0.0625	0.05	0.01	0.01
0.125	0.12	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	1.00	0.00	0.06
2.00	2.01	-0.01	0.12
4.00	4.01	-0.01	0.23
8.00	8.01	-0.01	0.31
16.00	16.01	0.00	0.32
32.00	32.00	0.00	0.91

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.96	0.04	0.26
10.00	10.02	-0.02	0.33
15.00	14.95	0.05	0.30
20.00	20.00	0.00	0.49
25.00	24.94	0.06	0.74
30.00	29.97	0.03	0.88
35.00	34.92	0.08	1.03
40.00	39.95	0.05	1.20
45.00	44.96	0.04	1.15
50.00	49.94	0.06	1.17
55.00	54.95	0.05	1.32
60.00	59.87	0.13	2.02

QA/QC Approval: \_\_\_\_\_

PMI QA1

Date: 8/30/19



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