



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

Customer: \_\_\_\_\_ Tested By: E. Kretz  
 Job No: \_\_\_\_\_ Date: Friday, July 30, 2021  
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI Temperature: +25° C  
 Serial No: PL33219/2130 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.	4.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.54:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.53 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.	1.97 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.18 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.22 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.22 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.91 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.	118 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
0.0156	0.0103	0.01	0.01
0.0313	0.0176	0.01	0.01
0.0625	0.0378	0.02	0.01
0.125	0.079	0.05	0.01
0.25	0.17	0.08	0.01
0.50	0.41	0.09	0.03
1.00	0.88	0.12	0.05
2.00	1.93	0.07	0.11
4.00	3.97	0.03	0.18
8.00	7.95	0.05	0.23
16.00	15.91	0.09	0.47
32.00	31.91	0.09	0.70

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	4.84	0.16	0.19
10.00	9.89	0.11	0.28
15.00	14.82	0.18	0.43
20.00	19.93	0.07	0.53
25.00	24.85	0.15	0.61
30.00	29.84	0.16	0.69
35.00	34.85	0.15	0.69
40.00	39.78	0.22	0.67
45.00	44.92	0.08	0.83
50.00	50.07	-0.07	1.07
55.00	55.15	-0.15	1.32
60.00	60.04	-0.04	1.97

QA/QC Approval:

Date: 7/30/2021



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