



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI  
 Serial No: PL33287/2131

Tested By: K. Mansfield  
 Date: Friday, August 6, 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.	4.3 dB See Plot		
3	VSWR:	2.0:1 Max.	1.85:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.52 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.82 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.52 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.19 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.	0.38 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.99 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	±dB
0.0156	-0.0018	0.02	0.01
0.0313	0.0165	0.01	0.01
0.0625	0.0405	0.02	0.01
0.125	0.103	0.02	0.02
0.25	0.23	0.02	0.03
0.50	0.48	0.02	0.05
1.00	0.99	0.01	0.10
2.00	2.02	-0.02	0.19
4.00	4.07	-0.07	0.33
8.00	8.12	-0.12	0.36
16.00	16.17	-0.16	0.39
32.00	32.16	-0.16	0.82

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.07	-0.07	0.39
10.00	10.13	-0.13	0.32
15.00	15.07	-0.07	0.37
20.00	20.19	-0.19	0.52
25.00	25.17	-0.17	0.66
30.00	30.21	-0.21	0.78
35.00	35.22	-0.22	0.76
40.00	40.15	-0.15	0.79
45.00	45.17	-0.17	0.67
50.00	50.08	-0.08	1.04
55.00	55.38	-0.38	1.90
60.00	60.13	-0.13	2.52

QA/QC Approval:

PMI  
QA 2

Date: 8/12/2021



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