



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

Tested By: E. Kretz

Date: Friday, July 30, 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	<i>PMI QA2</i> 	
2	Insertion Loss:	4.8 dB Max.	4.4 dB See Plot		
3	VSWR:	2.0:1 Max.	1.72:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.54 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.73 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.98 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.38 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.72 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.41 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.98 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		<i>PMI QA2</i>

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
0.0156	0.0193	0.00	±0.01
0.0313	0.0347	0.00	0.01
0.0625	0.0624	0.00	0.01
0.125	0.121	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.04
1.00	1.01	-0.01	0.08
2.00	2.04	-0.04	0.16
4.00	4.08	-0.08	0.26
8.00	8.13	-0.13	0.27
16.00	16.28	-0.66	0.44
32.00	32.66	-0.66	0.69

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	4.99	0.01	0.27
10.00	10.16	-0.16	0.30
15.00	15.19	-0.19	0.43
20.00	20.38	-0.38	0.54
25.00	25.45	-0.45	0.62
30.00	30.60	-0.60	0.73
35.00	35.60	-0.60	0.63
40.00	40.72	-0.72	0.57
45.00	45.73	-0.73	0.56
50.00	50.81	-0.81	0.63
55.00	55.55	-0.55	1.59
60.00	61.41	-1.41	2.98

QA/QC Approval:

PMI QA2

Date: 7/30/2021



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PL33214/2130

