



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: PL33014/2129

Tested By: K. Mansfield
 Date: Thursday, July 22, 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.	4.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.92:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.6 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.78 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.08 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.23 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.4 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.03 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	0.0182	0.00	0.00
0.0313	0.0339	0.00	0.00
0.0625	0.0620	0.00	0.01
0.125	0.125	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.05
1.00	1.01	-0.01	0.09
2.00	2.03	-0.03	0.18
4.00	4.06	-0.06	0.33
8.00	8.08	-0.08	0.36
16.00	16.04	-0.03	0.47
32.00	32.03	-0.03	0.77

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.07	-0.07	0.39
10.00	10.06	-0.06	0.33
15.00	14.96	0.04	0.44
20.00	20.03	-0.03	0.60
25.00	24.99	0.01	0.69
30.00	30.05	-0.05	0.75
35.00	35.19	-0.19	0.78
40.00	40.23	-0.23	0.78
45.00	45.23	-0.23	0.77
50.00	50.38	-0.38	0.69
55.00	55.40	-0.40	0.90
60.00	60.31	-0.31	1.08

QA/QC Approval:

PMI
QA 2

Date: 07/23/21

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