



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: PL33250/2130

Tested By: K. Mansfield
 Date: Saturday, July 31, 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.	4.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.85:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.55 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.79 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.07 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.24 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.42 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.88 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3 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.	120 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0298	-0.01	0.01
0.0313	0.0481	-0.02	0.01
0.0625	0.0713	-0.01	0.02
0.125	0.132	-0.01	0.02
0.25	0.26	-0.01	0.03
0.50	0.51	-0.01	0.05
1.00	1.02	-0.02	0.10
2.00	2.04	-0.04	0.19
4.00	4.08	-0.08	0.32
8.00	8.12	-0.12	0.31
16.00	16.17	-0.36	0.41
32.00	32.36	-0.36	0.79

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.09	-0.09	0.35
10.00	10.13	-0.13	0.31
15.00	15.07	-0.07	0.37
20.00	20.24	-0.24	0.55
25.00	25.26	-0.26	0.69
30.00	30.32	-0.32	0.77
35.00	35.37	-0.37	0.76
40.00	40.42	-0.42	0.71
45.00	45.36	-0.36	0.69
50.00	50.30	-0.30	0.82
55.00	55.51	-0.51	1.19
60.00	60.88	-0.88	2.07

QA/QC Approval:

PMI
QA 2

Date: 7/31/2021



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