



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: PL33011/2129

Tested By: K. Wagaman
 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.	4.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.57:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.39 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.52 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.21 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.47 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.48 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.06 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	0.0222	-0.01	0.00
0.0313	0.0379	-0.01	0.00
0.0625	0.0662	0.00	0.01
0.125	0.131	-0.01	0.01
0.25	0.26	-0.01	0.01
0.50	0.51	-0.01	0.03
1.00	1.01	-0.01	0.06
2.00	2.01	-0.01	0.11
4.00	4.02	-0.02	0.18
8.00	8.03	-0.03	0.22
16.00	16.17	-0.38	0.30
32.00	32.38	-0.38	0.51

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.20
10.00	10.07	-0.07	0.19
15.00	15.05	-0.05	0.26
20.00	20.21	-0.21	0.39
25.00	25.26	-0.26	0.48
30.00	30.36	-0.36	0.51
35.00	35.30	-0.30	0.52
40.00	40.47	-0.47	0.47
45.00	45.44	-0.44	0.33
50.00	50.48	-0.48	0.34
55.00	55.21	-0.21	0.64
60.00	60.16	-0.16	1.00

QA/QC Approval:

PMI
QA 2

Date: 07/23/21



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