



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: PL32229/2117

Tested By: K. Wagaman
 Date: Friday, April 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	PMI QA 2	
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot		
3	VSWR:	2.0:1 Max.	1.51:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.85 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.2 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.8 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.12 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.19 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.29 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.11 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	0.0293	-0.01	0.00
0.0313	0.0466	-0.02	0.00
0.0625	0.0824	-0.02	0.01
0.125	0.161	-0.04	0.01
0.25	0.31	-0.06	0.02
0.50	0.57	-0.07	0.03
1.00	1.10	-0.10	0.05
2.00	2.12	-0.12	0.10
4.00	4.06	-0.06	0.20
8.00	8.06	-0.06	0.39
16.00	16.07	0.03	0.79
32.00	31.97	0.03	1.13

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.95	0.05	0.24
10.00	10.08	-0.08	0.43
15.00	15.03	-0.03	0.69
20.00	20.06	-0.06	0.85
25.00	25.00	0.00	0.98
30.00	29.98	0.02	1.13
35.00	34.85	0.15	1.14
40.00	39.81	0.19	1.20
45.00	44.76	0.24	1.32
50.00	49.77	0.23	1.34
55.00	54.79	0.21	1.51
60.00	59.71	0.29	1.80

QA/QC Approval: *[Signature]*

PMI
QA 2

Date: 4/30/21



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