



SUMMARY TEST DATA ON DTA-2G18G-60-CD-2-OPT-1G18G

Customer: _____
 SO No: SO13-184-PS-PE
 Model No: DTA-2G18G-60-CD-2-OPT-1G18G
 Serial No: PL14084/1344

Tested By: K. Mansfield
 Date: Wednesday, October 16, 2013
 Time: 1:34 PM
 Drawing No: 27620404 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	1 GHz – 18 GHz	1 GHz – 18 GHz	
2	Insertion Loss:	4.5 dB Max.	4.23 dB	
3	VSWR	2.0:1 Max.	1.49 :1	
4	Flatness @ 10dB:	± 1.0 dB	0.27 dB	
5	Flatness @ 20dB:	± 1.0 dB	0.62 dB	
6	Flatness @ 40dB:	± 1.25 dB	0.70 dB	
7	Flatness @ 60dB:	± 3.0 dB	1.45 dB	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB	0.71 dB	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB	0.45 dB	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB	0.36 dB	
11	Switching Speed:	1.0 us MAX	< 800 ns	
12	DC Supply:	+15VDC @ 155 mA	+15 VDC @ 133 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.31	-0.06	0.09
0.50	0.57	-0.07	0.12
1.00	1.15	-0.15	0.14
2.00	2.22	-0.22	0.13
4.00	3.93	0.07	0.20
8.00	7.30	0.70	0.25
16.00	16.14	-0.14	0.43
32.00	31.79	0.21	0.98
63.75	65.22		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.22
10.00	9.29	0.71	0.27
15.00	15.22	-0.22	0.40
20.00	20.44	-0.44	0.62
25.00	24.92	0.08	0.83
30.00	29.72	0.28	1.02
35.00	34.55	0.45	0.90
40.00	39.64	0.36	0.70
45.00	44.87	0.13	0.49
50.00	50.07	-0.07	0.54
55.00	54.87	0.13	0.60
60.00	59.91	0.09	1.45

Production Manager Approval: _____
 QA/QC Approval: _____
PMI
QA 2

Date: 10/16/13
 Date: 10/17/13

ATTENUATION PLOT ON DTA-2G18G-60-CD-2-OPT 1G18G

S/N : PL14084/1344

