



**SUMMARY TEST DATA  
ON  
DTA-2G18G-60-CD-2-0PT-1G18G**

Customer: \_\_\_\_\_  
 SO No: SO13-184-PS-PE  
 Model No: DTA-2G18G-60-CD-2-0PT-1G18G  
 Serial No: PL14083/1344

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.	4.44 dB	
3	VSWR:	2.0:1 Max.	1.91 :1	
4	Flatness @ 10dB:	± 1.0 dB	0.23 dB	
5	Flatness @ 20dB:	± 1.0 dB	0.37 dB	
6	Flatness @ 40dB:	± 1.25 dB	0.51 dB	
7	Flatness @ 60dB:	± 3.0 dB	1.29 dB	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB	0.82 dB	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB	0.50 dB	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB	0.50 dB	
11	Switching Speed:	1.0 us MAX	< 800 ns	
12	DC Supply:	+15VDC @ 155 mA	+15 VDC @ 134 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.30	-0.05	0.11
0.50	0.56	-0.06	0.14
1.00	1.14	-0.14	0.15
2.00	2.21	-0.21	0.15
4.00	3.86	0.14	0.15
8.00	7.19	0.81	0.19
16.00	16.10	-0.10	0.32
32.00	31.70	0.30	0.52
63.75	65.94		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.86	0.14	0.15
10.00	9.18	0.82	0.23
15.00	15.16	-0.16	0.31
20.00	20.49	-0.49	0.37
25.00	24.93	0.07	0.42
30.00	29.60	0.40	0.53
35.00	34.55	0.45	0.47
40.00	39.50	0.50	0.51
45.00	44.96	0.04	0.49
50.00	50.36	-0.36	0.64
55.00	55.09	-0.09	0.86
60.00	60.02	-0.02	1.29

Production Manager Approval: \_\_\_\_\_  
 QA/QC Approval: \_\_\_\_\_

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

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

S/N : PL14083/1344

