



SUMMARY TEST DATA ON DTA-18G40G-50-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-18G40G-50-CD-1
 Serial No: PL18788/1611

Tested By: K. Mansfield
 Date: Monday, March 14, 2016
 Temperature: +25° C
 Drawing No: 27621695 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	18.0 GHz – 40 GHz	14 GHz – 40 GHz	
2	Insertion Loss:	8.5 dB TYP	9.6 dB	
3	VSWR:	2.5 : 1 MAX	2.43 : 1	
4	Flatness to 16 dB:	± 1.5 dB TYP	1.37 dB	
5	Flatness to 32 dB:	± 1.5 dB TYP	1.64 dB	
6	Flatness to 50 dB:	± 1.5 dB TYP	2.91 dB	
7	Accuracy of Attenuation 0 to 16 dB:	± 2 dB TYP	0.10 dB	
8	Accuracy of Attenuation 16 to 32 dB:	± 2 dB TYP	0.13 dB	
9	Accuracy of Attenuation 32 to 50 dB:	± 2 dB TYP	0.20 dB	
10	Switching Speed:	On Time 1.0 us MAX Off Time 0.5 us MAX	120 ns 266 ns	
11	DC Supply:	+15VDC @ 100 mA	38 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.40	0.39	0.01	0.05
0.80	0.79	0.01	0.09
1.60	1.60	0.00	0.16
3.20	3.20	0.00	0.30
6.40	6.40	0.00	0.61
12.80	12.77	0.03	1.16
25.60	25.53	0.07	1.48

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
6.00	5.98	0.02	0.57
12.00	11.97	0.03	1.10
18.00	17.94	0.06	1.43
24.00	23.91	0.09	1.43
30.00	29.91	0.09	1.55
36.00	35.92	0.08	1.93
42.00	41.86	0.14	2.33
48.00	47.93	0.07	2.69
50.00	49.85	0.15	2.87

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____