



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-18G40G-50-CD-1  
 Serial No: PL18789/1611

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	9.2 dB	
3	VSWR:	2.5 : 1 MAX	1.99 : 1	
4	Flatness to 16 dB:	± 1.5 dB TYP	1.28 dB	
5	Flatness to 32 dB:	± 1.5 dB TYP	1.74 dB	
6	Flatness to 50 dB:	± 1.5 dB TYP	2.97 dB	
7	Accuracy of Attenuation 0 to 16 dB:	± 2 dB TYP	0.13 dB	
8	Accuracy of Attenuation 16 to 32 dB:	± 2 dB TYP	0.06 dB	
9	Accuracy of Attenuation 32 to 50 dB:	± 2 dB TYP	0.11 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	0.38	0.02	0.05
0.80	0.78	0.02	0.09
1.60	1.58	0.02	0.18
3.20	3.17	0.03	0.35
6.40	6.36	0.04	0.64
12.80	12.74	0.06	1.11
25.60	25.55	0.05	1.59

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
6.00	5.93	0.07	0.60
12.00	11.94	0.06	1.07
18.00	17.95	0.05	1.37
24.00	23.95	0.05	1.56
30.00	29.98	0.02	1.66
36.00	35.98	0.02	2.02
42.00	42.00	0.00	2.44
48.00	47.96	0.04	2.79
50.00	49.94	0.06	2.97

Production Manager Approval: \_\_\_\_\_

Date: \_\_\_\_\_

QA/QC Approval: \_\_\_\_\_

Date: \_\_\_\_\_