



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

Customer: _____
 Job No: _____
 Model No: DTA-18G40G-50-CD-1
 Serial No: PL18787/1611

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	10.4 dB	
3	VSWR:	2.5 : 1 MAX	2.27 : 1	
4	Flatness to 16 dB:	± 1.5 dB TYP	1.19 dB	
5	Flatness to 32 dB:	± 1.5 dB TYP	2.07 dB	
6	Flatness to 50 dB:	± 1.5 dB TYP	3.72 dB	
7	Accuracy of Attenuation 0 to 16 dB:	± 2 dB TYP	0.11 dB	
8	Accuracy of Attenuation 16 to 32 dB:	± 2 dB TYP	0.14 dB	
9	Accuracy of Attenuation 32 to 50 dB:	± 2 dB TYP	0.27 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	0.46	-0.06	0.05
0.80	0.86	-0.06	0.09
1.60	1.67	-0.07	0.18
3.20	3.27	-0.07	0.35
6.40	6.48	-0.08	0.70
12.80	12.90	-0.10	1.08
25.60	25.71	-0.11	1.53

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
6.00	6.06	-0.06	0.66
12.00	12.09	-0.09	1.05
18.00	18.12	-0.12	1.23
24.00	24.12	-0.12	1.43
30.00	30.13	-0.13	1.92
36.00	36.12	-0.12	2.44
42.00	42.12	-0.12	2.90
48.00	48.06	-0.06	3.36
50.00	50.24	-0.24	3.72

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____