



## SUMMARY TEST DATA ON DTA-218-60-CD-1

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-218-60-CD-1  
 Serial No: PL9998/1201

Tested By: K. Mansfield  
 Date: Wednesday, May 13, 2020  
 Time: 8:43 PM

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	Insertion Loss:	4.5 dB Max.	4.39 dB	
3	VSWR:	2.0:1 Max.	1.67 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.75 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	0.83 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	1.88 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.18 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.48 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.44 dB	
10	Switching Speed:	ON: 1.0 uSEC MAX	0.75 uSEC	
		OFF: 0.5 uSEC MAX	0.25 uSEC	
11	DC Supply:	+15VDC @ 100 mA	+15 VDC @ 95 mA	
		-15VDC @ 100 mA	-15 VDC @ 49 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.06	0.26	-0.19	0.03
0.13	0.06	0.07	0.01
0.25	0.12	0.13	0.01
0.50	-0.01	0.51	0.01
1.00	0.66	0.34	0.08
2.00	1.71	0.29	0.15
4.00	3.94	0.06	0.27
8.00	8.11	-0.11	0.47
16.00	16.06	-0.06	0.69
32.00	32.24	-0.24	0.81
62.00	60.10	1.90	2.27
63.94	61.38	2.56	2.65

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.33
10.00	10.18	-0.18	0.55
15.00	15.09	-0.09	0.68
20.00	19.90	0.10	0.75
25.00	24.91	0.09	0.80
30.00	30.11	-0.11	0.83
35.00	35.37	-0.37	0.80
40.00	40.48	-0.48	0.72
45.00	45.36	-0.36	0.72
50.00	50.01	-0.01	0.75
55.00	54.55	0.45	1.15
60.00	58.56	1.44	1.88

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

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

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

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