



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-218-60-CD-1  
 Serial No: PL9997/1201

Tested By: K. Mansfield  
 Date: Wednesday, May 13, 2020  
 Time: 8:42 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.	4.36 dB	
3	VSWR:	2.0:1 Max.	1.87 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.90 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	1.04 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	0.97 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.16 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.54 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.81 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 @ 98 mA	
		-15VDC @ 100 mA	-15 VDC @ 49 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.06	0.23	-0.16	0.04
0.13	0.04	0.09	0.02
0.25	0.09	0.16	0.02
0.50	-0.02	0.52	0.02
1.00	0.60	0.40	0.09
2.00	1.64	0.36	0.18
4.00	3.85	0.15	0.30
8.00	7.83	0.17	0.49
16.00	16.04	-0.04	0.81
32.00	32.30	-0.30	1.03
62.00	59.48	2.52	1.19
63.94	60.70	3.24	1.42

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.84	0.16	0.34
10.00	9.90	0.10	0.59
15.00	15.03	-0.03	0.78
20.00	19.99	0.01	0.90
25.00	25.01	-0.01	0.97
30.00	30.19	-0.19	1.01
35.00	35.42	-0.42	1.04
40.00	40.54	-0.54	0.97
45.00	45.45	-0.45	0.82
50.00	50.08	-0.08	0.61
55.00	54.50	0.50	0.56
60.00	58.19	1.81	0.93

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

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

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

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