



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

Customer: _____
 Job No: _____
 Model No: DTA-218-60-CD-1
 Serial No: PL9991/1201

Tested By: K. Mansfield
 Date: Wednesday, May 13, 2020
 Time: 8:39 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.	4.41 dB	
3	VSWR:	2.0:1 Max.	2.0 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.67 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	0.77 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	2.29 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.25 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.28 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.43 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 @ 97 mA	
		-15VDC @ 100 mA	-15 VDC @ 49 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.06	0.24	-0.18	0.04
0.13	0.05	0.07	0.01
0.25	0.11	0.14	0.02
0.50	-0.01	0.51	0.01
1.00	0.62	0.38	0.09
2.00	1.70	0.30	0.18
4.00	3.98	0.02	0.28
8.00	7.99	0.01	0.41
16.00	15.85	0.15	0.61
32.00	32.11	-0.11	0.77
62.00	61.28	0.72	2.68
63.94	63.17	0.77	2.94

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.31
10.00	10.00	0.00	0.47
15.00	14.88	0.12	0.59
20.00	19.75	0.25	0.67
25.00	24.81	0.19	0.74
30.00	30.03	-0.03	0.76
35.00	35.23	-0.23	0.77
40.00	40.28	-0.28	0.74
45.00	45.11	-0.11	0.66
50.00	49.67	0.33	0.72
55.00	54.82	0.18	1.32
60.00	59.57	0.43	2.29

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____