



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

Customer: _____
 Job No: _____
 Model No: DTA-218-60-CD-1
 Serial No: PL9992/1201

Tested By: K. Mansfield
 Date: Wednesday, May 13, 2020
 Time: 8:40 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.	4.29 dB	
3	VSWR:	2.0:1 Max.	1.87 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.85 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	0.91 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	2.64 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.	0.41 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.78 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	-0.17	0.04
0.13	0.05	0.08	0.01
0.25	0.10	0.15	0.02
0.50	-0.01	0.51	0.01
1.00	0.61	0.39	0.09
2.00	1.63	0.37	0.19
4.00	3.84	0.16	0.33
8.00	7.95	0.05	0.51
16.00	16.16	-0.16	0.78
32.00	32.46	-0.46	0.92
62.00	61.09	0.91	3.13
63.94	63.01	0.93	3.22

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.85	0.15	0.38
10.00	10.04	-0.04	0.60
15.00	15.14	-0.14	0.75
20.00	20.18	-0.18	0.85
25.00	25.30	-0.30	0.89
30.00	30.40	-0.40	0.91
35.00	35.41	-0.41	0.91
40.00	40.18	-0.18	0.88
45.00	44.87	0.13	0.75
50.00	49.64	0.36	0.56
55.00	54.60	0.40	1.30
60.00	59.22	0.78	2.64

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____