



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

Customer: _____
 Job No: _____
 Model No: DTA-218-60-CD-1
 Serial No: PL10000/1201

Tested By: K. Mansfield
 Date: Wednesday, May 13, 2020
 Time: 8:44 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.	4.21 dB	
3	VSWR:	2.0:1 Max.	1.70 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.75 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	0.82 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	2.66 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.21 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.49 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	2.00 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	-0.17	0.05
0.13	0.04	0.08	0.06
0.25	0.10	0.15	0.05
0.50	-0.01	0.51	0.06
1.00	0.62	0.38	0.08
2.00	1.66	0.34	0.16
4.00	3.90	0.10	0.25
8.00	7.88	0.12	0.40
16.00	16.12	-0.12	0.67
32.00	32.52	-0.52	0.80
62.00	59.62	2.38	3.12
63.94	60.93	3.00	3.49

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.89	0.11	0.28
10.00	9.93	0.07	0.48
15.00	15.10	-0.10	0.64
20.00	20.21	-0.21	0.75
25.00	25.36	-0.36	0.80
30.00	30.49	-0.49	0.82
35.00	35.47	-0.47	0.77
40.00	40.11	-0.11	0.66
45.00	44.75	0.25	0.56
50.00	49.43	0.57	0.78
55.00	53.74	1.26	1.76
60.00	58.00	2.00	2.66

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____