



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

Customer: _____
 Job No: _____
 Model No: DTA-218-60-CD-1
 Serial No: PL9993/1201

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.	4.46 dB	
3	VSWR:	2.0:1 Max.	1.89 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.60 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	0.66 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	1.41 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.44 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.68 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.47 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	0.23	-0.17	0.03
0.13	0.05	0.08	0.01
0.25	0.10	0.15	0.01
0.50	-0.01	0.51	0.01
1.00	0.62	0.38	0.07
2.00	1.64	0.36	0.14
4.00	3.88	0.12	0.23
8.00	7.89	0.11	0.34
16.00	15.67	0.33	0.54
32.00	32.16	-0.16	0.64
62.00	60.09	1.91	1.62
63.94	61.56	2.37	1.63

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.91	0.09	0.26
10.00	9.89	0.11	0.41
15.00	14.73	0.27	0.53
20.00	19.56	0.44	0.60
25.00	24.67	0.33	0.65
30.00	30.02	-0.02	0.66
35.00	35.44	-0.44	0.62
40.00	40.68	-0.68	0.53
45.00	45.69	-0.69	0.40
50.00	50.41	-0.41	0.49
55.00	54.64	0.36	0.85
60.00	58.53	1.47	1.41

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____