



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

Customer: _____
 Job No: _____
 Model No: DTA-218-60-CD-1
 Serial No: PL9994/1201

Tested By: K. Mansfield
 Date: Wednesday, May 13, 2020
 Time: 8:41 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.	1.98 :1	
4	Flatness up to 20dB:	± 1.0 dB Typ.	0.80 dB	
5	Flatness up to 40dB:	± 1.25 dB Typ.	0.94 dB	
6	Flatness up to 60dB:	± 3.0 dB Typ.	2.12 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.24 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.50 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.25 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	0.04
0.13	0.05	0.08	0.01
0.25	0.11	0.14	0.02
0.50	-0.01	0.51	0.01
1.00	0.61	0.39	0.10
2.00	1.67	0.33	0.20
4.00	3.98	0.02	0.32
8.00	8.11	-0.11	0.47
16.00	15.96	0.04	0.71
32.00	32.04	-0.04	0.95
62.00	60.69	1.31	2.07
63.94	61.83	2.11	2.64

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.03	-0.03	0.36
10.00	10.15	-0.15	0.55
15.00	15.00	0.00	0.69
20.00	19.76	0.24	0.80
25.00	24.72	0.28	0.89
30.00	29.92	0.08	0.94
35.00	35.24	-0.24	0.93
40.00	40.50	-0.50	0.89
45.00	45.57	-0.57	0.84
50.00	50.25	-0.25	0.97
55.00	54.76	0.24	1.35
60.00	58.75	1.25	2.12

Production Manager Approval: _____

Date: _____

QA/QC Approval: _____

Date: _____