

Digital Step Attenuator

ZFAT-3610

Typical Performance Data

FREQUENCY (MHz)	STEP ATTENUATION* AT TTL CONTROL STATE (dB)							
	000 THRU LOSS	001 3 dB	010 6 dB	011 9 dB	100 10 dB	101 13 dB	110 16 dB	111 19 dB
10.0	2.60	3.03	6.03	9.12	9.91	13.02	16.00	19.02
49.6	2.33	3.08	6.10	9.15	9.95	13.03	15.97	19.03
148.6	2.30	3.06	6.09	9.12	9.97	12.98	16.03	19.03
208.0	2.35	3.02	6.06	9.06	9.94	12.97	16.03	19.01
247.6	2.39	2.97	6.04	9.04	9.94	12.99	15.93	19.04
346.6	2.46	3.00	6.07	9.05	9.95	12.95	16.02	19.00
406.0	2.52	3.01	6.07	9.04	9.93	12.94	15.99	18.94
445.6	2.55	3.02	6.06	9.00	9.95	12.95	15.98	18.82
544.6	2.62	3.06	6.04	9.01	9.95	12.98	16.02	18.98
604.0	2.65	3.04	6.04	8.94	9.93	13.00	15.97	18.94
703.0	2.74	2.97	6.00	8.94	9.99	12.94	15.91	18.89
762.4	2.70	3.03	6.01	8.97	10.01	12.96	16.00	18.91
821.8	2.74	3.08	6.06	9.05	10.07	13.08	16.07	18.97
881.2	2.80	3.05	6.07	9.01	10.02	13.11	15.98	19.00
940.6	2.84	3.07	6.03	9.04	10.09	13.15	16.13	19.01
1000.0	2.83	3.15	6.14	9.07	10.18	13.25	16.08	19.24

* Step Attenuation above Thru Loss (TTL Logic 000).

FREQUENCY (MHz)	INPUT VSWR AT TTL CONTROL STATE (:1)						
	001 3 dB	010 6 dB	011 9 dB	100 10 dB	101 13 dB	110 16 dB	111 19 dB
10.0	1.19	1.22	1.14	1.28	1.17	1.21	1.14
49.6	1.07	1.08	1.05	1.11	1.07	1.08	1.05
148.6	1.09	1.09	1.06	1.13	1.08	1.08	1.05
208.0	1.11	1.11	1.07	1.15	1.09	1.10	1.07
247.6	1.12	1.12	1.08	1.17	1.10	1.11	1.08
346.6	1.16	1.15	1.11	1.20	1.13	1.13	1.10
406.0	1.17	1.16	1.12	1.23	1.15	1.15	1.12
445.6	1.18	1.18	1.13	1.24	1.16	1.16	1.13
544.6	1.20	1.20	1.15	1.27	1.18	1.19	1.15
604.0	1.20	1.21	1.16	1.29	1.19	1.20	1.17
703.0	1.19	1.21	1.18	1.30	1.20	1.22	1.19
762.4	1.19	1.21	1.19	1.30	1.20	1.22	1.20
821.8	1.17	1.22	1.20	1.31	1.20	1.23	1.21
881.2	1.16	1.21	1.20	1.30	1.20	1.24	1.22
940.6	1.14	1.21	1.21	1.29	1.19	1.24	1.23
1000.0	1.13	1.21	1.22	1.28	1.19	1.25	1.24

FREQUENCY (MHz)	OUTPUT VSWR AT TTL CONTROL STATE (:1)						
	001 3 dB	010 6 dB	011 9 dB	100 10 dB	101 13 dB	110 16 dB	111 19 dB
10.0	1.31	1.24	1.22	1.12	1.11	1.11	1.10
49.6	1.11	1.09	1.08	1.05	1.05	1.04	1.05
148.6	1.15	1.11	1.10	1.07	1.07	1.06	1.06
208.0	1.17	1.11	1.11	1.07	1.07	1.07	1.06
247.6	1.19	1.13	1.13	1.09	1.09	1.09	1.08
346.6	1.24	1.17	1.17	1.13	1.12	1.12	1.12
406.0	1.27	1.21	1.21	1.15	1.15	1.14	1.14
445.6	1.29	1.21	1.19	1.14	1.15	1.15	1.14
544.6	1.32	1.25	1.24	1.19	1.19	1.18	1.19
604.0	1.34	1.26	1.26	1.20	1.19	1.20	1.20
703.0	1.36	1.28	1.28	1.22	1.24	1.23	1.23
762.4	1.37	1.29	1.31	1.24	1.25	1.26	1.27
821.8	1.36	1.31	1.33	1.25	1.26	1.26	1.28
881.2	1.35	1.30	1.31	1.26	1.26	1.26	1.27
940.6	1.34	1.32	1.35	1.29	1.30	1.30	1.30
1000.0	1.32	1.33	1.35	1.29	1.30	1.30	1.33

REV. X1
ZFAT-3610
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Page 1 of 1



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