Digital Step Attenuator ZX76-31-SN+

Typical Performance Data

FREQUENCY (MHz)	STEP ATTENUATION* AT TTL CONTROL STATE (dB)						
	00000 THRU LOSS	00001 1 dB	00010 2 dB	00100 4 dB	01000 8 dB	10000 16 dB	11111 31 dB
10	1.36	1.00	2.02	4.03	7.92	15.89	30.73
50	1.37	1.00	2.02	4.03	7.93	15.87	30.76
100	1.38	1.01	2.03	4.03	7.93	15.89	30.72
200	1.39	1.01	2.04	4.03	7.93	15.88	30.74
500	1.49	1.01	2.03	4.02	7.91	15.85	30.60
800	1.55	1.00	2.04	4.03	7.93	15.85	30.44
1000	1.59	1.01	2.08	4.06	7.95	15.83	30.36
1200	1.72	1.00	2.04	4.00	7.89	15.80	30.09
1400	1.84	1.00	2.01	3.96	7.83	15.72	29.83
1600	1.82	1.01	2.07	4.02	7.90	15.77	29.73
1800	1.91	1.00	2.06	4.02	7.88	15.78	29.50
2000	2.02	1.02	2.06	4.03	7.87	15.74	29.25
2200	2.25	1.00	2.07	4.03	7.88	15.66	28.97
2400	2.41	1.00	2.04	3.98	7.81	15.62	28.41
2600	2.38	1.05	2.12	4.04	7.88	15.68	28.31
3000	2.94	1.04	2.15	4.10	7.91	15.58	28.16

* Step Attenuation above Thru Loss (TTL Logic 00000).

FREQUENCY (MHz)	INPUT RETURN LOSS AT TTL CONTROL STATE (dB)						
	00000 0 dB	00001 1 dB	00010 2 dB	00100 4 dB	01000 8 dB	10000 16 dB	11111 31 dB
10	17.10	20.08	17.99	19.66	22.37	32.02	43.63
50	17.14	20.14	18.03	19.72	22.43	32.16	43.88
100	17.15	20.13	18.05	19.73	22.39	31.99	43.09
200	17.23	20.20	18.11	19.77	22.44	32.02	43.10
500	17.58	20.55	18.44	20.10	22.77	32.58	43.97
800	17.94	20.93	18.81	20.47	23.17	33.46	43.93
1000	18.13	21.13	19.07	20.79	23.56	34.67	42.26
1200	18.41	21.43	19.51	21.24	24.06	36.01	38.55
1400	18.65	21.64	19.96	21.77	24.63	37.01	34.99
1600	18.84	21.77	20.49	22.43	25.29	35.91	31.74
1800	19.04	21.90	21.20	23.32	26.03	32.71	28.73
2000	19.12	21.81	21.93	24.23	26.42	29.17	26.07
2200	19.19	21.70	22.78	25.23	26.46	26.24	23.80
2400	19.80	22.30	24.53	27.00	26.28	23.66	21.72
2600	21.50	23.56	28.00	28.57	24.66	21.11	19.70
3000	22.65	22.45	26.32	23.43	20.26	17.28	16.48

FREQUENCY (MHz)	OUTPUT RETURN LOSS AT TTL CONTROL STATE (dB)						
	00000 0 dB	00001 1 dB	00010 2 dB	00100 4 dB	01000 8 dB	10000 16 dB	11111 31 dB
10	17.08	17.84	22.31	26.97	27.98	23.56	39.26
50	17.11	17.88	22.35	27.02	28.04	23.60	39.03
100	17.15	17.91	22.36	26.99	27.99	23.56	39.10
200	17.22	17.96	22.43	27.04	27.97	23.58	38.39
500	17.47	18.23	22.70	27.12	27.91	23.75	34.61
800	17.72	18.48	22.86	26.86	27.41	23.90	31.22
1000	18.18	18.97	23.47	27.29	27.70	24.70	29.02
1200	18.22	19.10	23.31	26.34	26.63	24.95	26.80
1400	18.37	19.32	23.23	25.46	25.69	25.55	24.90
1600	18.41	19.56	22.92	24.32	24.52	26.23	23.14
1800	18.49	19.83	22.58	23.24	23.38	27.13	21.59
2000	18.55	20.14	22.01	21.93	22.04	27.66	20.00
2200	18.48	20.29	21.15	20.60	20.64	26.95	18.63
2400	18.22	20.19	20.59	19.60	19.65	25.84	17.78
2600	19.33	22.03	21.85	20.57	20.28	27.42	17.49
3000	20.89	22.42	18.95	16.77	16.25	18.78	14.23