

Digital Step Attenuator

ZX76-15R5-SP+

Typical Performance Data

FREQUENCY (MHz)	STEP ATTENUATION* AT TTL CONTROL STATE						
	(dB)						
	00000 THRU LOSS	00001 0.5 dB	00010 1.0 dB	00100 2.0 dB	01000 4.0 dB	10000 8.0 dB	11111 15.5 dB
1	1.34	0.49	0.99	2.03	4.00	7.92	15.44
10	1.34	0.52	0.99	2.02	4.02	7.94	15.43
100	1.37	0.52	0.99	2.02	4.03	7.94	15.46
200	1.39	0.53	1.00	2.02	4.01	7.93	15.44
500	1.49	0.50	0.99	2.01	4.00	7.93	15.42
800	1.57	0.50	0.98	2.03	4.03	7.93	15.40
1000	1.66	0.50	0.99	2.02	4.00	7.89	15.36
1200	1.74	0.50	0.98	2.01	3.97	7.86	15.32
1500	1.83	0.50	0.99	2.02	3.97	7.86	15.26
1700	1.95	0.49	0.98	2.02	3.96	7.84	15.25
2000	2.07	0.50	0.98	2.03	3.97	7.85	15.22
2200	2.17	0.52	0.99	2.05	4.01	7.87	15.27
2500	2.36	0.54	1.03	2.14	4.12	8.01	15.42
3000	2.87	0.56	1.06	2.21	4.21	8.01	15.42
3600	3.12	0.62	1.12	2.36	4.34	8.15	15.60
4000	3.35	0.64	1.10	2.25	4.15	7.85	15.03

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

FREQUENCY (MHz)	INPUT RETURN LOSS AT TTL CONTROL STATE						
	(dB)						
	00000 0 dB	00001 0.5 dB	00010 1.0 dB	00100 2.0 dB	01000 4.0 dB	10000 8.0 dB	11111 15.5 dB
1	17.10	18.65	20.01	17.94	19.54	21.95	28.96
10	17.15	18.75	20.07	18.00	19.59	22.05	29.08
100	17.20	18.78	20.08	18.05	19.61	22.07	29.08
200	17.25	18.82	20.14	18.07	19.67	22.06	29.08
500	17.47	19.00	20.34	18.30	19.89	22.29	29.15
800	17.73	19.25	20.57	18.57	20.13	22.44	29.08
1000	17.70	19.24	20.50	18.70	20.26	22.51	28.95
1200	17.87	19.40	20.57	18.98	20.55	22.71	28.92
1500	17.97	19.58	20.52	19.51	21.12	23.06	28.64
1700	17.93	19.61	20.31	19.89	21.53	23.19	27.92
2000	17.64	19.45	19.72	20.39	22.03	22.93	25.83
2200	17.42	19.32	19.33	20.72	22.26	22.56	24.22
2500	18.14	20.26	19.72	22.23	22.97	21.66	21.55
3000	18.26	20.42	18.94	21.47	20.44	18.52	17.63
3600	26.57	25.14	21.90	20.78	18.00	15.75	14.11
4000	25.42	20.91	19.91	17.76	15.74	14.00	12.48

FREQUENCY (MHz)	OUTPUT RETURN LOSS AT TTL CONTROL STATE						
	(dB)						
	00000 0 dB	00001 0.5 dB	00010 1.0 dB	00100 2.0 dB	01000 4.0 dB	10000 8.0 dB	11111 15.5 dB
1	17.10	17.80	17.85	22.15	26.56	27.16	46.88
10	17.13	17.83	17.92	22.22	26.63	27.20	46.52
100	17.21	17.88	17.95	22.26	26.67	27.25	45.32
200	17.21	17.89	17.98	22.26	26.57	27.09	43.64
500	17.31	17.96	18.02	22.22	26.30	26.77	37.95
800	17.19	17.83	17.95	21.85	25.33	25.73	32.68
1000	17.39	18.09	18.21	22.01	25.18	25.60	29.78
1200	17.24	17.97	18.07	21.48	23.93	24.35	26.66
1500	17.11	17.95	18.11	20.81	22.32	22.76	23.25
1700	17.05	17.98	18.20	20.31	21.21	21.65	21.35
2000	16.87	17.98	18.21	19.29	19.40	19.78	18.79
2200	16.65	17.84	18.08	18.44	18.14	18.47	17.30
2500	17.01	18.42	18.64	18.23	17.48	17.57	16.14
3000	17.72	18.51	18.29	16.21	14.70	14.48	13.02
3600	20.11	19.56	18.77	15.51	13.40	12.58	10.93
4000	24.86	20.94	20.20	17.19	14.52	13.12	11.07

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