

Digital Step Attenuator

ZX76-15R5-PN+

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	1.31	0.52	1.01	2.02	4.02	7.96	15.50
10	1.33	0.52	1.01	2.02	4.02	7.95	15.46
100	1.36	0.52	1.01	2.03	4.02	7.95	15.50
200	1.37	0.52	1.01	2.03	4.02	7.94	15.47
500	1.44	0.52	1.02	2.04	4.02	7.94	15.49
800	1.53	0.53	1.02	2.05	4.02	7.95	15.44
1000	1.62	0.51	0.99	2.02	4.00	7.91	15.39
1200	1.70	0.50	0.99	2.00	3.97	7.88	15.34
1500	1.80	0.52	1.01	2.03	3.99	7.90	15.34
1700	1.95	0.51	0.99	2.02	3.96	7.84	15.26
2000	2.03	0.52	1.01	2.04	3.99	7.87	15.29
2200	2.05	0.52	1.02	2.09	4.04	7.94	15.39
2500	2.33	0.53	1.05	2.17	4.16	8.02	15.45
3000	2.56	0.58	1.06	2.19	4.12	7.84	15.03
3600	3.17	0.64	1.18	2.35	4.31	8.10	15.63
4000	3.76	0.70	1.22	2.41	4.38	8.30	16.41

* 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	17.18	18.74	20.10	17.96	19.56	22.06	29.19
10	17.24	18.80	20.14	18.01	19.60	22.13	29.34
100	17.31	18.86	20.22	18.09	19.64	22.14	29.27
200	17.45	19.00	20.42	18.22	19.80	22.33	29.54
500	17.89	19.45	20.85	18.65	20.22	22.73	30.00
800	18.23	19.80	21.19	19.02	20.56	23.05	30.14
1000	18.42	20.01	21.32	19.31	20.86	23.27	30.18
1200	18.52	20.19	21.38	19.64	21.21	23.52	30.19
1500	18.43	20.17	21.07	20.07	21.71	23.76	29.45
1700	18.28	20.08	20.71	20.42	22.12	23.85	28.44
2000	17.98	19.87	20.07	20.99	22.71	23.46	25.77
2200	17.90	19.86	19.70	21.46	22.91	22.74	23.74
2500	17.98	19.94	19.10	21.72	21.91	20.46	20.36
3000	15.40	17.21	16.42	18.29	18.18	17.09	16.95
3600	21.14	23.30	20.02	20.52	17.64	15.12	13.69
4000	31.03	25.10	21.72	20.28	17.15	14.34	12.52

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	17.18	17.85	17.92	22.17	26.45	27.35	48.86
10	17.22	17.91	17.96	22.23	26.53	27.42	48.30
100	17.30	17.96	18.02	22.28	26.52	27.38	46.89
200	17.36	18.01	18.06	22.33	26.54	27.37	43.82
500	17.55	18.18	18.27	22.46	26.46	27.16	37.18
800	17.65	18.29	18.35	22.38	25.92	26.49	32.45
1000	17.67	18.32	18.44	22.21	25.25	25.81	29.56
1200	17.62	18.34	18.46	21.89	24.35	24.92	27.08
1500	17.41	18.25	18.41	21.22	22.91	23.51	24.21
1700	17.41	18.36	18.58	20.94	22.13	22.85	22.65
2000	17.23	18.35	18.71	20.07	20.43	21.04	19.99
2200	17.11	18.45	18.76	19.39	19.20	19.73	18.34
2500	17.32	18.77	18.99	18.14	17.26	17.44	16.00
3000	14.76	15.94	16.06	15.13	14.29	14.35	13.24
3600	16.49	17.58	17.09	15.08	13.18	12.50	11.11
4000	24.01	25.98	23.59	17.88	14.45	12.83	10.75

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