

Digital Step Attenuator

ZFAT-4816

Typical Performance Data

FREQUENCY (MHz)	STEP ATTENUATION* AT TTL CONTROL STATE							
	(dB)							
	000 THRU LOSS	001 4 dB	010 8 dB	011 12 dB	100 16 dB	101 20 dB	110 24 dB	111 28 dB
10.0	2.58	4.08	7.97	12.05	16.09	20.15	23.88	28.02
49.6	2.19	4.07	8.01	12.07	16.20	20.22	24.12	28.16
148.6	2.20	4.05	8.05	12.12	16.14	20.12	24.07	28.26
208.0	2.23	4.08	8.02	12.13	16.19	20.34	24.10	28.37
247.6	2.28	4.06	8.05	12.08	16.14	20.20	24.19	28.31
346.6	2.36	4.05	7.99	12.06	16.17	20.14	23.99	28.29
406.0	2.41	4.02	8.00	12.08	16.14	20.21	23.98	27.93
445.6	2.45	4.07	8.00	11.99	16.09	20.16	24.21	28.32
544.6	2.48	4.02	7.99	11.97	16.16	20.26	24.46	28.32
604.0	2.55	4.03	8.03	12.01	16.13	20.17	24.10	28.34
703.0	2.55	4.01	8.02	12.00	16.17	20.15	24.22	27.91
762.4	2.58	4.02	8.08	12.12	16.20	20.30	24.12	28.39
821.8	2.56	4.06	8.14	12.09	16.24	20.26	24.15	27.99
881.2	2.61	4.07	8.15	12.11	16.28	20.25	24.17	28.06
940.6	2.64	4.09	8.13	12.16	16.24	20.36	24.33	28.22
1000.0	2.65	4.06	8.12	12.13	16.16	20.34	24.16	28.02

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

FREQUENCY (MHz)	INPUT VSWR AT TTL CONTROL STATE						
	(:1)						
	001 4 dB	010 8 dB	011 12 dB	100 16 dB	101 20 dB	110 24 dB	111 28 dB
10.0	1.24	1.27	1.17	1.38	1.21	1.25	1.17
49.6	1.07	1.08	1.05	1.12	1.06	1.08	1.05
148.6	1.08	1.09	1.05	1.13	1.06	1.08	1.05
208.0	1.09	1.10	1.06	1.15	1.08	1.10	1.06
247.6	1.10	1.11	1.07	1.16	1.08	1.11	1.07
346.6	1.13	1.15	1.09	1.21	1.11	1.14	1.09
406.0	1.14	1.17	1.11	1.24	1.13	1.16	1.10
445.6	1.15	1.18	1.11	1.26	1.14	1.17	1.11
544.6	1.16	1.21	1.13	1.30	1.16	1.20	1.14
604.0	1.16	1.22	1.15	1.32	1.16	1.22	1.15
703.0	1.16	1.24	1.16	1.34	1.18	1.24	1.17
762.4	1.16	1.25	1.17	1.36	1.19	1.26	1.18
821.8	1.15	1.25	1.18	1.36	1.19	1.26	1.19
881.2	1.14	1.26	1.19	1.37	1.19	1.28	1.20
940.6	1.13	1.26	1.20	1.37	1.19	1.28	1.21
1000.0	1.12	1.26	1.21	1.37	1.19	1.30	1.23

FREQUENCY (MHz)	OUTPUT VSWR AT TTL CONTROL STATE						
	(:1)						
	001 4 dB	010 8 dB	011 12 dB	100 16 dB	101 20 dB	110 24 dB	111 28 dB
10.0	1.42	1.29	1.29	1.11	1.11	1.10	1.11
49.6	1.14	1.09	1.10	1.05	1.05	1.05	1.06
148.6	1.11	1.07	1.06	1.05	1.04	1.04	1.04
208.0	1.12	1.06	1.05	1.02	1.02	1.02	1.01
247.6	1.15	1.08	1.07	1.05	1.04	1.04	1.04
346.6	1.22	1.20	1.12	1.09	1.07	1.07	1.08
406.0	1.29	1.19	1.18	1.12	1.13	1.11	1.12
445.6	1.29	1.19	1.18	1.13	1.13	1.13	1.12
544.6	1.35	1.26	1.26	1.19	1.20	1.19	1.20
604.0	1.31	1.24	1.23	1.19	1.19	1.18	1.20
703.0	1.31	1.25	1.26	1.21	1.23	1.23	1.21
762.4	1.28	1.25	1.26	1.23	1.23	1.23	1.24
821.8	1.26	1.22	1.23	1.20	1.19	1.20	1.19
881.2	1.26	1.22	1.23	1.20	1.21	1.21	1.21
940.6	1.29	1.23	1.25	1.19	1.19	1.21	1.22
1000.0	1.28	1.28	1.30	1.26	1.25	1.27	1.26

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