

Voltage Controlled Oscillator

ZX95-4635+

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.00	84.02	4395.8	4363.1	4347.1	3.33	3.09	2.86	-30.80	-42.63	-50.36	0.70	1	-67
0.25	76.48	4417.6	4384.1	4368.8	3.27	3.07	2.92	-30.36	-42.09	-48.87	0.53	10	-96
0.50	75.80	4436.2	4403.2	4388.2	3.28	3.03	2.91	-29.89	-42.30	-48.66	0.41	100	-118
0.75	67.48	4453.5	4422.2	4406.2	3.29	3.00	2.81	-29.85	-41.38	-48.07	0.42	1000	-137
1.00	65.01	4471.3	4439.0	4424.5	3.29	2.98	2.76	-29.09	-41.62	-47.54	0.50		
1.25	66.14	4487.6	4455.3	4440.9	3.33	2.99	2.74	-28.50	-40.92	-47.07	0.56		
1.50	61.92	4503.3	4471.8	4456.6	3.28	3.00	2.77	-27.61	-41.05	-46.82	0.69		
1.75	59.94	4518.4	4487.3	4472.5	3.23	3.01	2.74	-27.23	-40.50	-46.27	0.79		
2.00	58.00	4534.9	4502.3	4487.7	3.16	2.96	2.75	-27.08	-40.80	-47.12	0.95		
2.25	59.35	4549.3	4516.8	4502.4	3.19	2.91	2.72	-26.83	-40.78	-46.03	1.08		
2.50	56.27	4563.2	4531.6	4516.5	3.19	2.83	2.69	-27.00	-41.15	-46.85	1.23		
2.75	52.08	4576.7	4545.7	4530.9	3.20	2.82	2.62	-26.54	-41.13	-46.56	1.43		
3.00	50.12	4589.6	4558.7	4544.4	3.15	2.80	2.58	-25.94	-41.07	-45.71	1.54		
3.25	47.91	4602.0	4571.2	4556.9	3.01	2.79	2.52	-25.95	-41.07	-46.15	1.71		
3.50	45.46	4615.5	4583.2	4569.0	2.99	2.76	2.48	-25.65	-41.12	-45.37	1.86		
3.75	43.94	4626.7	4594.6	4580.5	3.01	2.73	2.47	-25.70	-40.97	-45.72	1.96		
4.00	44.06	4637.3	4605.6	4591.3	3.01	2.67	2.44	-25.74	-41.41	-45.66	2.08		
4.25	37.35	4647.1	4616.6	4601.7	2.99	2.63	2.38	-26.46	-41.63	-46.39	2.59		
4.50	34.54	4656.3	4625.9	4611.8	2.98	2.61	2.30	-26.36	-41.75	-46.23	2.25		
4.75	32.01	4664.8	4634.6	4620.8	2.94	2.58	2.28	-25.80	-41.55	-46.66	2.25		
5.00	29.47	4672.6	4642.6	4628.9	2.91	2.55	2.25	-25.58	-41.40	-47.91	2.28		
5.25	26.99	4680.1	4649.9	4636.4	2.85	2.52	2.20	-25.58	-41.41	-47.91	2.27		
5.50	24.62	4687.6	4656.7	4643.2	2.85	2.51	2.14	-25.75	-41.48	-49.33	2.23		
5.75	22.48	4693.8	4662.8	4649.5	2.80	2.49	2.12	-25.67	-41.26	-49.21	2.16		
6.00	20.57	4699.3	4668.5	4655.2	2.76	2.47	2.09	-25.56	-41.34	-50.29	2.09		
6.25	19.01	4704.3	4673.6	4660.4	2.74	2.44	2.06	-25.57	-41.16	-50.44	2.00		
6.50	17.91	4708.9	4678.3	4665.2	2.73	2.41	2.02	-25.55	-41.01	-50.57	1.96		
6.75	16.97	4713.1	4682.8	4669.5	2.72	2.39	2.01	-25.51	-41.52	-51.00	2.00		
7.00	15.34	4717.0	4687.1	4673.6	2.71	2.37	2.00	-25.40	-41.22	-51.73	2.12		
7.25	13.60	4720.5	4690.9	4677.3	2.69	2.36	1.98	-25.38	-41.62	-52.87	2.02		
7.50	12.31	4723.7	4694.3	4680.8	2.67	2.34	1.96	-25.58	-41.87	-53.30	1.82		
7.75	11.35	4726.7	4697.4	4684.0	2.65	2.33	1.95	-25.55	-41.66	-53.72	1.69		
8.00	11.35	4729.5	4700.2	4687.1	2.64	2.31	1.92	-25.73	-41.38	-53.85	1.62		

REV. X2
ZX95-4635+
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Page 1 of 1



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