

Voltage Controlled Oscillator

ZX95-4424+

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			
0.0	38.79	4373.9	4353.5	4338.1	7.12	6.61	5.08	-28.5	-42.8	-52.6	1.47	1	-75
0.3	30.98	4382.7	4363.2	4348.6	7.11	6.70	5.19	-28.5	-43.1	-51.6	1.37	10	-99
0.5	28.72	4390.7	4370.9	4357.8	7.12	6.77	5.25	-28.2	-42.9	-51.0	1.31	100	-119
0.8	27.63	4398.2	4378.1	4365.8	7.15	6.77	5.33	-27.8	-43.0	-50.6	1.35	1000	-138
1.0	26.57	4405.3	4385.0	4372.6	7.20	6.76	5.41	-27.4	-43.0	-50.3	1.38		
1.3	25.70	4412.3	4391.6	4379.0	7.26	6.76	5.43	-27.2	-43.0	-50.0	1.38		
1.5	25.12	4419.2	4398.1	4385.2	7.32	6.79	5.44	-27.2	-43.2	-50.0	1.39		
1.8	24.80	4426.0	4404.3	4391.2	7.39	6.82	5.46	-27.2	-43.3	-50.5	1.41		
2.0	24.69	4432.5	4410.5	4397.2	7.48	6.87	5.48	-27.3	-43.5	-50.0	1.43		
2.3	24.78	4438.6	4416.7	4403.0	7.57	6.92	5.52	-27.3	-43.5	-49.8	1.46		
2.5	24.87	4444.4	4422.9	4408.8	7.61	6.97	5.55	-27.2	-43.6	-50.2	1.49		
2.8	24.33	4450.2	4429.1	4414.5	7.62	7.04	5.60	-26.9	-43.5	-49.9	1.53		
3.0	23.07	4456.0	4435.2	4420.3	7.63	7.11	5.64	-26.6	-43.1	-49.9	1.50		
3.3	22.34	4461.7	4441.0	4426.1	7.62	7.17	5.68	-26.2	-42.4	-50.4	1.45		
3.5	22.29	4467.5	4446.6	4432.1	7.61	7.19	5.74	-26.0	-41.9	-50.8	1.45		
3.8	22.33	4473.1	4452.1	4438.0	7.58	7.21	5.80	-25.8	-41.7	-51.4	1.48		
4.0	22.34	4478.8	4457.7	4443.7	7.57	7.21	5.85	-25.8	-41.7	-53.7	1.51		
4.3	22.37	4484.4	4463.3	4449.2	7.56	7.20	5.88	-25.8	-41.4	-58.4	1.54		
4.5	22.42	4490.0	4468.9	4454.7	7.55	7.18	5.91	-25.9	-41.3	-55.1	1.57		
4.8	22.50	4495.6	4474.5	4460.2	7.54	7.16	5.92	-26.1	-41.3	-50.9	1.60		
5.0	22.53	4501.1	4480.1	4465.7	7.54	7.15	5.91	-26.2	-41.4	-50.3	1.61		
5.3	22.42	4506.7	4485.8	4471.3	7.55	7.15	5.89	-26.2	-41.6	-49.5	1.63		
5.5	22.24	4512.3	4491.4	4476.9	7.55	7.14	5.87	-26.2	-41.7	-49.6	1.62		
5.8	22.27	4518.0	4496.9	4482.5	7.55	7.14	5.87	-26.1	-41.6	-49.6	1.61		
6.0	22.51	4523.7	4502.5	4488.1	7.56	7.14	5.86	-26.0	-41.8	-50.0	1.62		
6.3	22.88	4529.7	4508.1	4493.8	7.55	7.14	5.84	-25.9	-41.9	-50.6	1.64		
6.5	23.26	4535.7	4513.8	4499.5	7.56	7.15	5.83	-25.9	-42.3	-50.9	1.65		
6.8	23.70	4541.9	4519.7	4505.2	7.57	7.16	5.83	-26.0	-42.8	-51.3	1.67		
7.0	23.70	4548.1	4525.6	4511.0	7.60	7.17	5.85	-26.1	-42.8	-52.0	1.69		