

Voltage Controlled Oscillator

ZX95-868-S+

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	10.65	792.4	788.1	785.2	0.39	-0.25	-0.44	-14.9	-27.3	-31.0	0.27	1	-92
0.25	9.93	795.0	790.8	788.0	0.43	-0.21	-0.39	-15.1	-27.2	-30.9	0.12	10	-117
1.00	8.69	802.1	798.0	795.3	0.51	-0.11	-0.27	-15.7	-27.4	-30.8	0.08	100	-138
1.50	8.44	806.5	802.4	799.7	0.57	-0.05	-0.21	-15.9	-27.4	-29.9	0.09	1000	-158
2.00	8.31	810.7	806.6	803.9	0.62	0.01	-0.14	-16.0	-27.1	-30.4	0.07		
2.50	8.24	814.9	810.7	808.1	0.67	0.07	-0.08	-16.3	-27.3	-29.9	0.04		
3.00	8.18	819.0	814.9	812.2	0.71	0.12	-0.03	-16.5	-27.3	-30.5	0.01		
3.50	8.14	823.1	819.0	816.2	0.76	0.18	0.03	-16.7	-27.2	-30.4	0.03		
4.00	8.07	827.2	823.0	820.3	0.81	0.23	0.09	-16.9	-27.5	-30.7	0.06		
4.50	7.99	831.2	827.1	824.3	0.86	0.28	0.14	-17.1	-27.6	-30.4	0.10		
5.00	7.93	835.3	831.1	828.3	0.92	0.34	0.19	-17.3	-27.3	-30.4	0.14		
5.50	7.86	839.3	835.0	832.3	0.97	0.39	0.25	-17.4	-27.1	-30.1	0.17		
6.00	7.79	843.2	838.9	836.2	1.02	0.44	0.30	-17.5	-26.9	-29.9	0.19		
6.50	7.71	847.1	842.8	840.1	1.07	0.50	0.35	-17.6	-27.2	-30.3	0.22		
7.00	7.63	851.0	846.7	843.9	1.12	0.55	0.41	-17.7	-27.5	-30.5	0.25		
7.50	7.52	854.9	850.5	847.7	1.16	0.60	0.46	-17.9	-27.7	-30.4	0.27		
8.00	7.43	858.7	854.3	851.5	1.20	0.65	0.50	-18.0	-27.4	-30.4	0.30		
8.50	7.32	862.4	858.0	855.2	1.24	0.69	0.54	-18.1	-27.4	-29.9	0.33		
9.00	7.21	866.1	861.6	858.9	1.27	0.73	0.58	-18.2	-27.4	-30.3	0.36		
9.50	7.07	869.7	865.2	862.4	1.30	0.77	0.62	-18.3	-27.5	-30.8	0.39		
10.00	6.92	873.3	868.8	866.0	1.32	0.80	0.66	-18.3	-27.7	-30.7	0.42		
10.50	6.75	876.8	872.2	869.4	1.35	0.83	0.69	-18.4	-27.6	-30.8	0.45		
11.00	6.58	880.2	875.6	872.8	1.37	0.86	0.72	-18.5	-27.8	-30.7	0.47		
11.50	6.39	883.5	878.9	876.1	1.40	0.89	0.74	-18.5	-27.7	-30.8	0.50		
12.00	6.19	886.7	882.1	879.2	1.42	0.92	0.77	-18.5	-28.0	-30.7	0.51		
12.50	5.99	889.8	885.2	882.3	1.44	0.94	0.80	-18.5	-27.8	-30.8	0.52		
13.00	5.78	892.8	888.2	885.3	1.46	0.97	0.82	-18.5	-27.8	-30.9	0.53		
13.50	5.58	895.8	891.1	888.2	1.48	1.00	0.85	-18.5	-27.9	-30.8	0.53		
14.00	5.36	898.6	893.9	890.9	1.50	1.02	0.87	-18.5	-28.2	-30.5	0.52		
14.50	5.15	901.3	896.6	893.6	1.52	1.05	0.90	-18.5	-28.1	-30.6	0.50		
15.00	4.95	903.9	899.1	896.2	1.54	1.07	0.92	-18.5	-28.1	-30.1	0.48		
15.50	4.75	906.4	901.6	898.6	1.59	1.09	0.94	-18.5	-28.1	-30.3	0.46		
16.00	4.75	908.9	904.0	901.0	1.61	1.12	0.96	-18.6	-28.1	-30.2	0.43		

Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCULStore/terms.jsp

