

# Voltage Controlled Oscillator

ROS-850+

## 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	22.36	774.5	770.2	767.4	7.14	7.29	6.20	-21.5	-37.5	-36.9	0.47	1	-87
0.25	20.57	779.9	775.8	773.3	7.17	7.29	6.20	-22.1	-37.4	-34.9	0.44	10	-110
0.50	19.71	784.9	780.9	778.5	7.21	7.27	6.19	-22.3	-36.9	-35.7	0.47	100	-130
0.75	19.33	789.7	785.9	783.5	7.25	7.24	6.17	-22.1	-36.7	-37.6	0.52	1000	-150
1.00	19.25	794.4	790.7	788.4	7.28	7.20	6.15	-22.4	-35.9	-37.3	0.58		
1.25	19.36	799.1	795.5	793.2	7.31	7.14	6.14	-22.8	-36.7	-37.0	0.63		
1.50	19.58	803.8	800.4	797.9	7.31	7.08	6.12	-23.0	-36.4	-37.9	0.67		
1.75	19.84	808.5	805.2	802.8	7.31	7.00	6.10	-23.1	-35.7	-37.7	0.70		
2.00	20.11	813.3	810.2	807.6	7.27	6.92	6.09	-23.4	-35.1	-38.2	0.72		
2.25	20.34	818.2	815.2	812.6	7.21	6.85	6.07	-23.6	-34.5	-37.2	0.73		
2.50	20.53	823.2	820.3	817.6	7.10	6.76	6.05	-23.4	-35.4	-35.3	0.74		
2.75	20.65	828.4	825.5	822.6	6.96	6.68	6.03	-23.5	-34.9	-36.6	0.74		
3.00	20.73	833.6	830.6	827.7	6.79	6.59	6.01	-23.9	-34.9	-37.5	0.75		
3.25	20.73	838.8	835.8	832.7	6.61	6.49	5.97	-24.1	-34.4	-36.0	0.76		
3.50	20.70	844.1	841.0	837.8	6.40	6.37	5.93	-24.2	-32.9	-35.9	0.76		
3.75	20.60	849.4	846.2	842.9	6.17	6.24	5.87	-24.7	-33.3	-37.4	0.76		
4.00	20.48	854.7	851.3	847.9	5.95	6.11	5.79	-25.3	-33.5	-37.6	0.76		
4.25	20.29	859.9	856.4	852.9	5.74	5.97	5.71	-25.1	-34.2	-37.2	0.75		
4.50	20.05	865.1	861.5	857.9	5.54	5.83	5.61	-24.6	-33.0	-36.2	0.73		
4.75	19.74	870.2	866.5	862.8	5.36	5.70	5.52	-24.9	-31.9	-37.4	0.71		
5.00	19.42	875.3	871.4	867.6	5.21	5.59	5.43	-25.4	-31.9	-37.9	0.68		
5.25	19.01	880.2	876.3	872.3	5.09	5.49	5.35	-25.7	-31.9	-36.5	0.65		
5.50	18.56	885.0	881.1	877.0	5.00	5.42	5.29	-25.9	-32.7	-35.4	0.62		
5.75	18.08	889.7	885.7	881.6	4.93	5.37	5.25	-26.3	-32.5	-36.3	0.59		
6.00	17.57	894.3	890.2	886.1	4.88	5.34	5.22	-26.5	-32.1	-37.2	0.56		
6.25	17.07	898.7	894.6	890.4	4.84	5.32	5.21	-26.4	-32.2	-37.2	0.54		
6.50	16.59	903.0	898.9	894.6	4.80	5.31	5.20	-26.3	-31.4	-36.7	0.51		
6.75	16.12	907.2	903.0	898.8	4.74	5.29	5.20	-26.6	-31.2	-36.2	0.48		
7.00	16.12	911.3	907.0	902.7	4.66	5.25	5.20	-26.9	-31.6	-37.1	0.46		

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