

Voltage Controlled Oscillator

ROS-EDR5815

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			
0.2	42.21	340.0	337.1	336.2	9.01	8.48	7.31	-11.0	-22.2	-19.6	-0.49	1	-83
0.4	41.09	348.1	345.3	344.3	9.00	8.57	7.59	-11.1	-20.8	-18.9	-0.61	10	-105
0.6	39.64	355.7	353.3	352.3	8.94	8.56	7.65	-11.2	-19.9	-18.5	-0.71	100	-130
0.8	38.16	363.0	360.9	359.6	8.87	8.56	7.65	-11.2	-19.7	-18.0	-0.65	1000	-148
1.0	35.30	370.3	367.9	366.4	8.82	8.58	7.63	-11.0	-20.0	-17.6	-0.55		
1.2	32.77	377.4	374.5	372.8	8.83	8.60	7.59	-10.9	-20.4	-17.4	-0.48		
1.4	31.15	384.1	380.7	378.9	8.86	8.59	7.55	-10.8	-21.1	-17.4	-0.42		
1.6	30.07	390.5	386.7	384.8	8.92	8.56	7.52	-10.8	-22.0	-17.4	-0.38		
1.8	29.29	396.6	392.6	390.6	9.01	8.53	7.50	-10.8	-22.9	-17.5	-0.34		
2.0	28.70	402.5	398.3	396.2	9.11	8.51	7.50	-10.8	-23.8	-17.7	-0.31		
2.2	28.29	408.2	404.0	401.7	9.24	8.48	7.50	-10.8	-24.5	-18.0	-0.28		
2.4	28.07	413.6	409.6	407.1	9.41	8.45	7.49	-10.9	-24.7	-18.4	-0.26		
2.6	27.94	418.7	415.2	412.6	9.55	8.39	7.47	-11.0	-24.5	-19.0	-0.24		
2.8	27.84	424.2	420.8	417.9	9.50	8.32	7.44	-11.1	-23.8	-19.6	-0.22		
3.0	27.81	429.8	426.3	423.3	9.40	8.24	7.39	-11.2	-22.9	-20.3	-0.21		
3.2	27.73	435.5	431.9	428.7	9.29	8.17	7.37	-11.4	-22.0	-21.0	-0.20		
3.4	27.64	441.1	437.4	434.1	9.20	8.10	7.33	-11.5	-21.2	-21.7	-0.20		
3.6	27.57	446.7	442.9	439.5	9.13	8.06	7.32	-11.9	-20.6	-22.4	-0.21		
3.8	27.45	452.3	448.4	444.8	9.07	8.04	7.32	-12.1	-19.9	-23.2	-0.22		
4.0	27.21	457.8	453.8	450.2	9.03	8.04	7.34	-12.3	-19.3	-24.1	-0.24		
4.2	26.92	463.2	459.2	455.5	8.99	8.05	7.37	-12.5	-18.8	-24.9	-0.27		
4.4	26.44	468.5	464.5	460.8	8.96	8.05	7.40	-12.8	-18.6	-25.5	-0.31		
4.6	25.92	473.6	469.7	465.9	8.89	8.02	7.42	-13.0	-18.3	-26.0	-0.35		
4.8	25.36	478.7	474.8	471.0	8.81	7.98	7.41	-13.2	-17.9	-26.3	-0.39		
5.0	24.73	483.5	479.7	475.9	8.77	7.97	7.42	-13.5	-17.6	-26.5	-0.43		
5.2	23.99	488.3	484.5	480.8	8.73	7.96	7.43	-13.8	-17.3	-26.7	-0.47		
5.4	23.20	492.8	489.2	485.4	8.69	7.95	7.44	-14.0	-17.1	-26.7	-0.51		
5.6	22.35	497.2	493.6	489.9	8.65	7.95	7.46	-14.3	-16.9	-26.8	-0.54		
5.8	21.46	501.4	497.9	494.2	8.61	7.95	7.48	-14.4	-16.7	-26.8	-0.57		
6.0	20.65	505.5	502.0	498.4	8.56	7.94	7.49	-14.6	-16.5	-26.6	-0.60		
6.2	19.76	509.4	506.0	502.3	8.51	7.92	7.50	-14.8	-16.3	-26.5	-0.62		
6.4	18.78	513.1	509.7	506.0	8.47	7.90	7.51	-15.0	-16.2	-26.4	-0.63		
6.6	17.87	516.6	513.3	509.5	8.43	7.89	7.51	-15.2	-16.1	-26.5	-0.64		
6.8	16.96	520.0	516.7	512.8	8.38	7.88	7.53	-15.4	-15.9	-26.5	-0.63		
7.0	16.06	523.2	519.9	515.9	8.34	7.89	7.56	-15.6	-15.9	-26.5	-0.62		