

Voltage Controlled Oscillator

ROS-EDR4890

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			
0.3	4.39	313.5	313.0	312.8	-0.05	0.73	0.99	-22.5	-20.2	-29.4	0.00	1	-89
0.5	3.98	314.5	314.0	313.8	-0.08	0.69	0.95	-22.3	-20.1	-29.2	0.00	10	-110
0.8	3.73	315.4	315.0	314.8	-0.11	0.65	0.92	-22.2	-20.1	-29.2	0.00	100	-131
1.0	3.59	316.3	315.9	315.7	-0.14	0.62	0.88	-22.1	-20.1	-29.1	0.01	1000	-149
1.3	3.50	317.2	316.7	316.6	-0.18	0.59	0.84	-21.9	-20.1	-29.0	0.01		
1.5	3.46	318.1	317.6	317.4	-0.20	0.56	0.81	-21.8	-20.0	-29.0	0.01		
1.8	3.46	318.9	318.5	318.3	-0.24	0.52	0.77	-21.7	-20.0	-28.9	0.01		
2.0	3.48	319.8	319.3	319.2	-0.27	0.50	0.74	-21.6	-20.0	-28.9	0.01		
2.3	3.52	320.7	320.2	320.0	-0.28	0.49	0.71	-21.5	-20.0	-28.8	0.01		
2.5	3.57	321.6	321.1	320.9	-0.30	0.46	0.68	-21.4	-20.0	-28.8	0.01		
2.8	3.66	322.5	322.0	321.8	-0.33	0.43	0.66	-21.2	-20.0	-28.7	0.01		
3.0	3.74	323.5	322.9	322.8	-0.35	0.40	0.64	-21.0	-19.9	-28.7	0.01		
3.3	3.88	324.5	323.9	323.7	-0.37	0.38	0.60	-20.9	-19.9	-28.6	0.01		
3.5	4.01	325.5	324.9	324.7	-0.39	0.35	0.58	-20.7	-19.8	-28.5	0.01		
3.8	4.18	326.6	326.0	325.7	-0.42	0.33	0.55	-20.6	-19.8	-28.5	0.01		
4.0	4.37	327.7	327.1	326.8	-0.44	0.31	0.52	-20.5	-19.8	-28.3	0.01		
4.3	4.58	328.9	328.2	327.9	-0.46	0.28	0.50	-20.3	-19.8	-28.4	0.01		
4.5	4.82	330.1	329.4	329.1	-0.49	0.24	0.46	-20.0	-19.8	-28.3	0.01		
4.8	5.10	331.4	330.7	330.4	-0.51	0.21	0.43	-19.7	-19.7	-28.2	0.01		
5.0	5.39	332.8	332.0	331.7	-0.55	0.17	0.39	-19.4	-19.7	-28.1	0.02		
5.3	5.72	334.2	333.5	333.1	-0.57	0.14	0.35	-19.2	-19.7	-28.1	0.02		
5.5	6.07	335.8	335.0	334.6	-0.59	0.10	0.31	-19.1	-19.7	-28.0	0.02		
5.8	6.42	337.4	336.6	336.2	-0.62	0.06	0.28	-18.9	-19.6	-28.0	0.02		
6.0	6.80	339.1	338.3	337.9	-0.65	0.03	0.23	-18.8	-19.6	-28.0	0.01		
6.3	7.18	341.0	340.1	339.6	-0.67	-0.01	0.20	-18.6	-19.6	-28.0	0.01		
6.5	7.58	342.9	342.0	341.5	-0.71	-0.06	0.14	-18.5	-19.5	-27.8	0.01		
6.8	7.92	344.9	344.0	343.5	-0.74	-0.10	0.10	-18.3	-19.5	-27.8	0.01		
7.0	8.28	347.0	346.0	345.5	-0.79	-0.15	0.04	-18.2	-19.4	-27.8	0.00		