

Voltage Controlled Oscillator

ROS-EDR4951/2

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	5.93	488.3	487.0	485.8	2.08	2.38	2.94	-11.7	-21.9	-31.6	0.07	1	-92
0.5	5.62	489.6	488.4	487.3	2.10	2.41	2.97	-11.8	-21.9	-31.9	0.08	10	-113
0.8	5.46	491.0	489.8	488.6	2.13	2.43	2.99	-11.9	-22.0	-32.2	0.08	100	-132
1.0	5.41	492.4	491.1	490.0	2.15	2.46	3.01	-12.0	-22.0	-32.5	0.08	1000	-147
1.3	5.44	493.7	492.5	491.3	2.18	2.48	3.02	-12.1	-22.1	-32.8	0.08		
1.5	5.54	495.2	493.9	492.7	2.20	2.50	3.03	-12.2	-22.2	-33.2	0.08		
1.8	5.66	496.6	495.3	494.1	2.22	2.52	3.05	-12.3	-22.2	-33.6	0.08		
2.0	5.82	498.1	496.7	495.5	2.24	2.55	3.05	-12.5	-22.4	-34.1	0.08		
2.3	6.00	499.6	498.2	497.0	2.26	2.57	3.07	-12.6	-22.5	-34.5	0.08		
2.5	6.20	501.2	499.8	498.6	2.27	2.59	3.08	-12.8	-22.6	-35.0	0.08		
2.8	6.40	502.8	501.4	500.1	2.29	2.61	3.09	-12.9	-22.8	-35.4	0.08		
3.0	6.58	504.5	503.0	501.8	2.30	2.62	3.09	-13.0	-22.9	-35.7	0.08		
3.3	6.77	506.2	504.7	503.4	2.31	2.64	3.09	-13.2	-23.0	-36.0	0.08		
3.5	6.92	508.0	506.4	505.2	2.32	2.65	3.09	-13.3	-23.1	-36.3	0.07		
3.8	7.06	509.8	508.2	506.9	2.33	2.66	3.08	-13.4	-23.2	-36.6	0.07		
4.0	7.16	511.6	510.0	508.7	2.33	2.67	3.07	-13.5	-23.3	-37.0	0.07		
4.3	7.24	513.4	511.8	510.5	2.33	2.68	3.06	-13.6	-23.6	-37.4	0.07		
4.5	7.28	515.2	513.6	512.3	2.34	2.69	3.04	-13.7	-23.8	-37.8	0.06		
4.8	7.29	517.1	515.4	514.1	2.33	2.69	3.02	-13.9	-24.1	-38.1	0.06		
5.0	7.28	518.9	517.3	515.9	2.33	2.69	3.00	-14.1	-24.4	-38.4	0.06		
5.3	7.25	520.7	519.1	517.8	2.32	2.68	2.98	-14.2	-24.5	-38.8	0.06		
5.5	7.19	522.5	520.9	519.5	2.31	2.68	2.95	-14.5	-24.7	-39.2	0.06		
5.8	7.13	524.3	522.7	521.3	2.30	2.67	2.92	-14.6	-24.8	-39.6	0.06		
6.0	7.08	526.1	524.4	523.1	2.28	2.65	2.89	-14.8	-25.0	-40.1	0.06		
6.3	7.05	527.9	526.2	524.8	2.27	2.64	2.86	-15.0	-25.2	-40.6	0.06		
6.5	6.99	529.6	527.9	526.6	2.26	2.62	2.82	-15.2	-25.3	-41.0	0.06		
6.8	6.84	531.3	529.7	528.3	2.24	2.61	2.79	-15.3	-25.5	-41.3	0.06		
7.0	6.74	533.0	531.3	529.9	2.23	2.59	2.75	-15.4	-25.6	-41.5	0.06		