

Voltage Controlled Oscillator

ROS-EDR5395

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	5.79	70.9	70.3	70.0	5.56	6.23	6.22	-17.0	-36.6	-55.3	-0.16	1	-96
0.5	4.68	72.0	71.5	71.2	5.67	6.35	6.36	-17.4	-36.6	-54.5	-0.15	10	-117
0.8	4.04	73.0	72.5	72.2	5.76	6.44	6.46	-17.9	-36.8	-54.3	-0.13	100	-137
1.0	3.59	73.8	73.4	73.1	5.83	6.51	6.54	-18.2	-37.0	-54.2	-0.13	1000	-156
1.3	3.26	74.6	74.2	73.9	5.89	6.57	6.61	-18.6	-37.2	-54.3	-0.12		
1.5	3.00	75.4	75.0	74.7	5.94	6.62	6.66	-18.9	-37.4	-54.1	-0.12		
1.8	2.80	76.1	75.7	75.4	5.99	6.66	6.71	-19.2	-37.5	-54.3	-0.12		
2.0	2.63	76.7	76.3	76.0	6.03	6.70	6.75	-19.5	-37.7	-54.2	-0.12		
2.3	2.49	77.4	76.9	76.6	6.06	6.73	6.78	-19.7	-37.9	-54.3	-0.12		
2.5	2.37	77.9	77.5	77.2	6.09	6.76	6.81	-19.9	-38.0	-54.2	-0.12		
2.8	2.28	78.5	78.1	77.8	6.12	6.78	6.84	-20.2	-38.2	-54.3	-0.12		
3.0	2.19	79.1	78.6	78.3	6.15	6.80	6.86	-20.4	-38.3	-54.3	-0.12		
3.3	2.11	79.6	79.2	78.9	6.17	6.82	6.88	-20.6	-38.4	-54.2	-0.12		
3.5	2.05	80.1	79.7	79.4	6.19	6.83	6.89	-20.8	-38.6	-54.1	-0.12		
3.8	2.00	80.6	80.2	79.9	6.20	6.84	6.90	-20.9	-38.7	-54.2	-0.13		
4.0	1.94	81.1	80.7	80.4	6.21	6.85	6.91	-21.1	-38.8	-54.0	-0.13		
4.3	1.90	81.6	81.1	80.8	6.22	6.86	6.92	-21.3	-38.9	-53.9	-0.13		
4.5	1.86	82.0	81.6	81.3	6.23	6.86	6.92	-21.5	-39.0	-53.9	-0.13		
4.8	1.83	82.5	82.1	81.8	6.24	6.86	6.92	-21.7	-39.2	-53.8	-0.13		
5.0	1.80	82.9	82.5	82.2	6.24	6.86	6.92	-21.8	-39.3	-53.8	-0.13		
5.3	1.77	83.4	83.0	82.6	6.24	6.86	6.92	-22.0	-39.4	-53.4	-0.13		
5.5	1.74	83.8	83.4	83.1	6.24	6.85	6.92	-22.1	-39.5	-53.4	-0.14		
5.8	1.72	84.3	83.8	83.5	6.24	6.85	6.91	-22.3	-39.6	-53.3	-0.14		
6.0	1.70	84.7	84.3	83.9	6.23	6.84	6.90	-22.4	-39.7	-53.3	-0.15		
6.3	1.68	85.1	84.7	84.3	6.22	6.83	6.89	-22.6	-39.8	-53.2	-0.15		
6.5	1.66	85.5	85.1	84.8	6.21	6.81	6.88	-22.7	-39.9	-53.1	-0.15		
6.8	1.63	85.9	85.5	85.2	6.20	6.80	6.86	-22.9	-40.0	-52.9	-0.15		
7.0	1.61	86.3	85.9	85.6	6.19	6.78	6.85	-23.0	-40.1	-52.8	-0.16		