

Voltage Controlled Oscillator

ROS-EDR5452

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			
0.5	97.40	1512.7	1488.7	1479.7	7.05	7.15	6.74	-16.0	-19.7	-26.9	1.83	1	-70
1.0	91.90	1556.1	1534.6	1524.7	7.06	7.19	6.63	-18.2	-20.3	-38.8	1.59	10	-95
1.5	95.87	1608.1	1582.5	1571.7	6.97	6.99	6.46	-18.2	-24.3	-36.0	1.72	100	-114
2.0	86.47	1653.5	1625.8	1616.5	7.16	7.01	6.48	-19.6	-25.3	-31.8	1.77	1000	-138
2.5	84.29	1697.8	1667.9	1660.2	7.21	6.97	6.51	-22.2	-24.7	-33.5	1.75		
3.0	92.51	1743.4	1714.2	1705.6	7.35	6.93	6.51	-25.3	-24.6	-36.5	1.79		
3.5	98.31	1789.9	1763.3	1752.3	7.37	7.07	6.59	-29.2	-23.5	-54.7	1.71		
4.0	99.12	1839.3	1812.9	1801.5	7.40	7.17	6.59	-31.1	-23.6	-37.4	1.68		
4.5	97.94	1888.0	1861.9	1852.6	7.46	7.38	6.63	-28.4	-24.6	-36.6	1.46		
5.0	101.27	1940.5	1912.5	1903.7	7.67	7.11	6.59	-23.7	-23.9	-33.5	1.40		
5.5	110.07	1990.6	1967.5	1955.3	7.78	7.40	6.76	-21.5	-24.5	-31.5	1.25		
6.0	99.24	2039.4	2017.1	2005.1	7.84	7.55	6.71	-19.7	-25.9	-32.0	1.14		
6.5	97.14	2087.3	2065.7	2054.3	8.03	7.71	6.64	-20.0	-27.4	-33.9	1.08		
7.0	93.64	2133.1	2112.5	2101.1	8.20	7.92	6.80	-18.3	-27.6	-31.5	1.09		
7.5	91.54	2178.1	2158.3	2145.7	8.39	8.03	6.85	-17.2	-28.9	-32.7	1.16		
8.0	87.00	2220.7	2201.8	2189.3	8.48	8.35	6.93	-18.2	-30.5	-34.2	1.20		
8.5	81.53	2260.8	2242.6	2230.2	8.41	8.39	7.10	-16.2	-33.3	-34.6	1.14		
9.0	79.78	2299.1	2282.5	2269.8	8.33	8.62	7.18	-18.1	-38.8	-40.0	1.24		
9.5	70.79	2334.0	2317.9	2307.5	8.19	8.45	7.03	-15.7	-46.2	-39.3	1.17		
10.0	66.36	2367.6	2351.0	2343.0	7.63	7.88	6.63	-18.4	-54.2	-46.2	1.10		
10.5	72.41	2403.0	2387.2	2377.7	6.68	6.95	6.07	-17.1	-41.6	-42.3	1.15		
11.0	71.30	2439.0	2422.9	2413.0	6.33	6.51	5.61	-21.1	-34.9	-51.2	1.21		
11.5	65.25	2473.8	2455.5	2446.3	6.27	6.54	5.51	-19.8	-31.6	-49.3	1.10		
12.0	67.24	2507.2	2489.1	2478.7	6.23	6.35	5.47	-21.7	-31.9	-54.8	1.27		
12.5	64.72	2538.1	2521.5	2509.4	6.05	6.64	5.44	-19.5	-29.7	-51.2	1.21		
13.0	58.23	2570.2	2550.6	2539.2	6.16	6.77	5.25	-21.0	-30.4	-52.8	1.13		