

Voltage Controlled Oscillator

ROS-EDR5911/1

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	42.28	2071.4	2049.9	2029.1	1.32	1.33	0.88	-28.7	-25.0	-31.0	-1.65	1	-76
0.5	38.26	2081.0	2059.5	2038.9	1.31	1.34	0.97	-28.6	-24.7	-29.9	-1.83	10	-99
0.8	37.53	2090.0	2068.8	2048.1	1.23	1.37	1.03	-29.0	-24.7	-29.4	-2.04	100	-117
1.0	35.88	2098.8	2077.8	2056.8	1.14	1.43	1.07	-29.4	-24.6	-28.8	-2.05	1000	-139
1.3	34.56	2107.8	2086.4	2065.6	1.14	1.49	1.12	-29.4	-24.6	-28.4	-2.11		
1.5	34.21	2116.4	2095.0	2074.4	1.22	1.52	1.21	-28.9	-24.7	-28.0	-2.18		
1.8	34.90	2125.0	2103.7	2083.0	1.32	1.55	1.27	-28.8	-24.7	-27.7	-2.36		
2.0	36.49	2133.6	2112.8	2091.6	1.43	1.62	1.31	-29.0	-24.8	-27.2	-2.35		
2.3	35.84	2142.4	2121.8	2100.5	1.53	1.68	1.33	-29.1	-24.8	-27.7	-2.36		
2.5	36.29	2151.5	2130.9	2109.8	1.61	1.72	1.39	-28.9	-24.5	-27.7	-2.41		
2.8	36.87	2161.1	2140.1	2119.1	1.73	1.75	1.44	-28.9	-24.8	-28.3	-2.45		
3.0	37.69	2170.7	2149.5	2128.3	1.81	1.76	1.48	-29.3	-24.6	-28.5	-2.57		
3.3	40.02	2180.5	2159.5	2137.7	1.83	1.83	1.51	-29.4	-24.5	-28.6	-2.67		
3.5	39.68	2190.7	2169.4	2147.3	1.79	1.84	1.54	-29.4	-24.3	-29.3	-2.65		
3.8	39.53	2200.9	2179.3	2157.2	1.74	1.78	1.61	-29.6	-24.1	-29.6	-2.65		
4.0	39.72	2210.9	2189.3	2167.0	1.66	1.71	1.68	-29.7	-23.9	-30.3	-2.74		
4.3	40.43	2220.9	2199.4	2176.9	1.60	1.73	1.65	-29.6	-23.7	-30.7	-2.69		
4.5	39.03	2230.6	2209.1	2186.5	1.58	1.82	1.59	-29.7	-24.1	-31.8	-2.65		
4.8	38.39	2240.2	2218.7	2196.3	1.65	1.86	1.58	-30.2	-23.7	-32.9	-2.63		
5.0	37.70	2249.8	2228.1	2205.9	1.77	1.89	1.66	-30.3	-23.8	-34.0	-2.61		
5.3	36.88	2259.0	2237.4	2215.0	1.80	1.92	1.68	-30.4	-23.7	-34.4	-2.63		
5.5	36.55	2267.9	2246.5	2223.9	1.85	1.93	1.70	-30.8	-23.4	-34.7	-2.69		
5.8	35.22	2276.5	2255.3	2232.5	1.90	1.93	1.71	-31.1	-23.5	-34.5	-2.67		
6.0	33.42	2284.9	2263.7	2240.7	1.92	1.93	1.71	-31.2	-23.3	-34.5	-2.71		
6.3	31.80	2292.9	2271.6	2248.7	1.94	1.89	1.70	-31.4	-23.1	-34.1	-2.79		
6.5	30.34	2300.5	2279.2	2256.3	1.93	1.83	1.70	-31.7	-23.5	-33.8	-2.96		
6.8	29.19	2307.7	2286.5	2263.4	1.87	1.81	1.70	-32.2	-23.5	-33.2	-3.11		
7.0	27.24	2314.5	2293.3	2270.1	1.81	1.79	1.67	-32.3	-23.2	-32.2	-3.24		