

Voltage Controlled Oscillator

ROS-EDR5413

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	43.07	2126.4	2114.6	2105.0	3.65	4.13	3.64	-23.0	-39.8	-26.8	-2.63	1	-65
0.5	37.84	2135.4	2124.1	2114.7	3.57	4.10	3.64	-22.8	-39.2	-26.9	-2.38	10	-96
0.8	35.16	2143.8	2132.9	2123.5	3.48	4.04	3.63	-23.0	-38.9	-27.0	-2.25	100	-117
1.0	33.19	2151.7	2141.2	2131.9	3.46	3.97	3.60	-22.9	-38.2	-26.8	-2.18	1000	-139
1.3	31.70	2159.4	2149.1	2140.0	3.38	3.94	3.55	-22.8	-38.2	-26.5	-2.05		
1.5	31.30	2167.0	2156.9	2148.0	3.27	3.90	3.49	-22.8	-38.1	-27.0	-1.93		
1.8	31.20	2174.8	2164.7	2155.8	3.12	3.83	3.47	-23.1	-37.4	-27.5	-1.89		
2.0	31.24	2182.6	2172.5	2163.6	2.96	3.73	3.43	-23.4	-37.2	-28.1	-1.92		
2.3	31.49	2190.0	2180.4	2171.4	2.86	3.58	3.36	-23.4	-37.1	-29.0	-1.93		
2.5	31.04	2197.5	2188.2	2179.3	2.71	3.45	3.27	-23.2	-37.0	-28.6	-2.11		
2.8	30.01	2205.0	2195.7	2187.1	2.56	3.37	3.15	-23.3	-36.9	-28.7	-2.53		
3.0	30.08	2212.4	2203.2	2194.6	2.44	3.31	3.10	-23.5	-36.7	-28.7	-2.94		
3.3	29.99	2220.0	2210.7	2202.2	2.37	3.26	3.08	-23.7	-36.3	-28.7	-3.28		
3.5	29.87	2227.8	2218.2	2209.7	2.29	3.21	3.08	-24.1	-35.6	-29.0	-3.66		
3.8	30.13	2235.8	2225.7	2217.0	2.15	3.14	3.05	-24.9	-34.6	-29.9	-3.83		
4.0	30.03	2243.6	2233.2	2224.2	2.16	3.03	3.01	-25.8	-34.0	-30.8	-3.86		
4.3	29.99	2250.6	2240.7	2231.2	2.13	2.96	2.95	-26.6	-33.7	-31.5	-3.80		
4.5	27.68	2257.4	2247.6	2238.1	2.04	2.95	2.85	-27.0	-33.0	-32.2	-3.49		
4.8	25.70	2263.7	2254.1	2244.9	1.91	2.91	2.76	-27.4	-32.6	-32.4	-3.22		
5.0	24.03	2269.6	2260.1	2251.1	1.75	2.85	2.75	-28.0	-32.6	-32.8	-2.90		
5.3	22.50	2275.7	2265.7	2256.8	1.53	2.77	2.72	-28.5	-32.5	-32.6	-2.49		
5.5	21.17	2281.8	2271.0	2262.1	1.48	2.67	2.68	-28.8	-31.9	-32.8	-2.26		
5.8	20.08	2286.6	2276.0	2267.0	1.58	2.54	2.63	-29.0	-31.5	-33.2	-1.98		
6.0	21.08	2290.9	2281.3	2271.6	1.61	2.39	2.57	-29.0	-31.3	-33.2	-1.97		
6.3	20.13	2295.0	2286.3	2275.9	1.59	2.40	2.51	-29.0	-31.4	-33.0	-1.59		
6.5	16.41	2298.9	2290.4	2280.0	1.54	2.47	2.42	-29.1	-31.4	-33.2	-1.31		
6.8	14.92	2302.6	2294.1	2284.1	1.48	2.50	2.30	-29.4	-31.1	-33.4	-1.19		
7.0	14.13	2306.2	2297.7	2288.6	1.42	2.49	2.20	-29.9	-30.7	-33.9	-0.98		