

Voltage Controlled Oscillator

ROS-EDR5930

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	68.66	2043.3	2030.7	2017.4	0.34	0.71	0.84	-23.4	-29.7	-30.7	-0.25	1	-78
0.5	58.80	2057.6	2045.4	2033.1	0.38	0.79	0.90	-23.5	-30.7	-31.0	0.06	10	-101
0.8	54.41	2071.6	2059.0	2046.9	0.43	0.84	0.98	-23.9	-32.3	-30.7	0.28	100	-122
1.0	53.64	2084.5	2072.4	2060.0	0.56	0.89	1.04	-23.9	-34.6	-29.9	0.45	1000	-143
1.3	50.36	2096.9	2085.0	2072.9	0.68	1.03	1.10	-23.8	-37.5	-29.8	0.55		
1.5	48.58	2109.6	2097.1	2085.3	0.76	1.14	1.23	-24.4	-42.1	-29.9	0.67		
1.8	50.14	2121.7	2109.7	2097.3	0.82	1.15	1.31	-25.2	-49.3	-30.1	0.82		
2.0	48.45	2133.7	2121.8	2109.3	0.91	1.25	1.32	-25.0	-46.6	-29.7	0.86		
2.3	47.48	2145.6	2133.6	2121.6	1.01	1.37	1.45	-25.1	-41.7	-29.7	0.95		
2.5	47.51	2157.8	2145.5	2133.5	1.07	1.45	1.55	-25.2	-39.1	-29.4	1.04		
2.8	48.72	2169.9	2157.7	2145.3	1.12	1.48	1.63	-25.3	-36.3	-29.4	1.17		
3.0	48.32	2181.8	2169.8	2157.3	1.14	1.52	1.64	-25.9	-34.9	-29.4	1.19		
3.3	47.63	2194.2	2181.7	2169.5	1.18	1.55	1.68	-26.0	-33.6	-29.4	1.25		
3.5	48.86	2206.5	2193.9	2181.4	1.28	1.60	1.74	-26.0	-32.8	-29.8	1.39		
3.8	49.46	2218.6	2206.3	2193.2	1.34	1.71	1.81	-26.5	-32.7	-29.4	1.31		
4.0	48.15	2230.6	2218.3	2205.7	1.36	1.76	1.89	-26.8	-32.5	-30.2	1.24		
4.3	47.63	2242.8	2230.2	2217.6	1.33	1.75	1.91	-27.0	-32.5	-31.2	1.13		
4.5	47.12	2254.7	2242.0	2229.3	1.42	1.75	1.92	-27.6	-32.7	-31.5	1.02		
4.8	46.91	2266.2	2253.7	2240.7	1.53	1.86	1.97	-27.6	-32.8	-31.5	0.79		
5.0	44.54	2277.6	2264.9	2252.1	1.56	1.96	2.04	-27.9	-32.8	-31.1	0.56		
5.3	42.94	2288.8	2275.6	2262.8	1.56	1.96	2.10	-28.6	-32.1	-31.4	0.38		
5.5	43.15	2299.4	2286.4	2273.1	1.55	1.98	2.15	-28.6	-31.4	-31.2	0.22		
5.8	40.07	2309.2	2296.4	2282.9	1.58	2.00	2.16	-28.7	-30.6	-31.7	0.07		
6.0	37.39	2318.5	2305.7	2292.6	1.58	2.00	2.17	-29.1	-30.2	-32.3	0.02		
6.3	34.61	2327.2	2314.4	2301.4	1.59	2.01	2.17	-29.7	-29.8	-33.0	0.06		
6.5	32.13	2335.4	2322.4	2309.5	1.61	2.02	2.20	-29.9	-29.4	-33.5	0.18		
6.8	29.84	2342.8	2329.9	2316.9	1.61	1.99	2.18	-29.9	-29.2	-33.8	0.39		
7.0	28.00	2349.6	2336.9	2323.7	1.62	1.99	2.16	-30.2	-28.6	-34.0	0.65		