

Voltage Controlled Oscillator

ROS-ED9529/1

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			
0.5	25.16	2202.7	2190.0	2180.7	-0.42	0.25	-0.01	-24.6	-26.9	-38.3	0.90	1	-79
0.5	25.16	2202.7	2190.0	2180.7	-0.42	0.25	-0.01	-24.6	-26.9	-38.3	0.90	10	-103
0.8	26.28	2209.3	2196.5	2187.0	-0.46	0.22	-0.04	-24.7	-26.8	-39.0	0.86	100	-123
0.8	26.28	2209.3	2196.5	2187.0	-0.46	0.22	-0.04	-24.7	-26.8	-39.0	0.86	1000	-143
1.0	28.24	2216.5	2203.6	2193.9	-0.54	0.19	-0.08	-24.9	-26.5	-39.3	0.92		
1.0	28.24	2216.5	2203.6	2193.9	-0.54	0.19	-0.08	-24.9	-26.5	-39.3	0.92		
1.3	31.32	2224.7	2211.4	2201.4	-0.60	0.13	-0.11	-25.7	-26.6	-39.6	0.92		
1.3	31.32	2224.7	2211.4	2201.4	-0.60	0.13	-0.11	-25.7	-26.6	-39.6	0.92		
1.5	35.80	2235.4	2220.4	2210.0	-0.66	0.04	-0.17	-26.8	-26.7	-39.7	0.88		
1.5	35.80	2235.4	2220.4	2210.0	-0.66	0.04	-0.17	-26.8	-26.7	-39.7	0.88		
1.8	44.00	2248.4	2231.4	2219.8	-0.31	-0.19	-0.31	-28.8	-28.0	-39.2	0.94		
1.8	44.00	2248.4	2231.4	2219.8	-0.31	-0.19	-0.31	-28.8	-28.0	-39.2	0.94		
2.0	57.04	2261.1	2245.6	2231.5	-0.05	0.06	-0.95	-28.9	-27.7	-39.7	0.92		
2.0	57.04	2261.1	2245.6	2231.5	-0.05	0.06	-0.95	-28.9	-27.7	-39.7	0.92		
2.3	54.44	2274.7	2259.2	2247.5	0.07	0.53	-1.16	-28.0	-26.7	-40.5	0.86		
2.3	54.44	2274.7	2259.2	2247.5	0.07	0.53	-1.16	-28.0	-26.7	-40.5	0.86		
2.5	56.44	2289.3	2273.3	2261.6	0.02	0.69	0.04	-28.4	-26.3	-39.6	0.70		
2.5	56.44	2289.3	2273.3	2261.6	0.02	0.69	0.04	-28.4	-26.3	-39.6	0.70		
2.8	60.88	2304.8	2288.6	2276.2	-0.20	0.65	0.30	-29.3	-26.6	-39.4	0.56		
2.8	60.88	2304.8	2288.6	2276.2	-0.20	0.65	0.30	-29.3	-26.6	-39.4	0.56		
3.0	64.00	2322.0	2304.6	2292.0	-0.72	0.42	0.21	-30.9	-27.2	-39.8	0.24		
3.0	64.00	2322.0	2304.6	2292.0	-0.72	0.42	0.21	-30.9	-27.2	-39.8	0.24		
3.3	70.32	2342.6	2322.1	2308.4	-0.77	-0.24	-0.18	-35.6	-29.5	-40.6	0.24		
3.3	70.32	2342.6	2322.1	2308.4	-0.77	-0.24	-0.18	-35.6	-29.5	-40.6	0.24		
3.5	80.48	2359.5	2342.3	2327.9	-0.90	-0.18	-2.94	-33.6	-28.0	-40.4	0.70		
3.5	80.48	2359.5	2342.3	2327.9	-0.90	-0.18	-2.94	-33.6	-28.0	-40.4	0.70		
3.8	62.40	2375.1	2357.9	2345.9	-1.07	-0.24	-1.14	-32.0	-27.5	-39.6	0.44		
3.8	62.40	2375.1	2357.9	2345.9	-1.07	-0.24	-1.14	-32.0	-27.5	-39.6	0.44		
4.0	56.88	2389.4	2372.1	2359.8	-1.18	-0.36	-0.75	-31.1	-27.7	-40.4	0.10		
4.0	56.88	2389.4	2372.1	2359.8	-1.18	-0.36	-0.75	-31.1	-27.7	-40.4	0.10		
4.3	50.84	2403.2	2384.8	2372.3	-1.39	-0.48	-0.77	-31.5	-27.5	-40.1	0.52		
4.3	50.84	2403.2	2384.8	2372.3	-1.39	-0.48	-0.77	-31.5	-27.5	-40.1	0.52		
4.5	46.04	2417.4	2396.3	2383.4	-1.13	-0.66	-0.85	-32.5	-27.9	-40.7	0.70		
4.5	46.04	2417.4	2396.3	2383.4	-1.13	-0.66	-0.85	-32.5	-27.9	-40.7	0.70		