

Voltage Controlled Oscillator

ROS-ED9451/1

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	52.12	2184.7	2157.4	2138.5	1.31	1.14	0.73	-15.7	-32.1	-39.2	0.10	1	-68
0.5	45.20	2195.5	2168.7	2150.3	1.45	1.32	0.88	-15.8	-32.3	-39.2	0.12	10	-93
0.8	40.56	2205.5	2178.9	2160.7	1.53	1.31	0.79	-15.8	-32.7	-39.2	0.32	100	-113
1.0	37.64	2214.6	2188.3	2170.3	1.66	1.45	0.98	-15.8	-32.6	-39.2	0.50	1000	-133
1.3	35.60	2223.2	2197.2	2179.4	1.70	1.53	0.97	-15.8	-33.2	-38.8	0.58		
1.5	34.00	2231.4	2205.7	2188.0	1.73	1.64	1.11	-15.8	-33.2	-39.0	0.72		
1.8	32.64	2239.4	2213.8	2196.2	1.69	1.77	1.19	-15.8	-33.9	-39.9	0.74		
2.0	31.76	2247.1	2221.8	2204.2	1.70	1.70	1.30	-15.9	-34.2	-42.0	0.90		
2.3	30.80	2254.6	2229.5	2212.0	1.46	1.84	1.40	-16.0	-34.0	-46.9	0.96		
2.5	30.20	2262.1	2237.0	2219.6	1.56	1.85	1.37	-16.1	-34.1	-40.9	1.04		
2.8	29.72	2269.4	2244.4	2227.1	1.44	1.82	1.50	-16.3	-34.5	-38.8	1.10		
3.0	29.28	2276.7	2251.8	2234.4	1.39	1.80	1.53	-16.7	-34.2	-37.5	1.16		
3.3	29.08	2283.9	2259.0	2241.7	1.37	1.70	1.50	-16.9	-34.4	-37.4	1.20		
3.5	28.64	2291.0	2266.2	2248.9	1.38	1.68	1.48	-18.0	-34.8	-37.2	1.30		
3.8	28.60	2298.1	2273.3	2256.1	1.29	1.59	1.28	-20.4	-34.4	-35.8	1.38		
4.0	28.60	2305.2	2280.5	2263.2	1.25	1.58	1.36	-20.6	-35.4	-35.9	1.40		
4.3	28.48	2312.3	2287.6	2270.3	1.34	1.56	1.34	-17.2	-35.3	-35.0	1.52		
4.5	28.64	2319.4	2294.8	2277.5	1.22	1.55	1.32	-16.1	-35.4	-35.0	1.62		
4.8	28.68	2326.6	2301.9	2284.6	1.31	1.48	1.27	-15.9	-35.2	-34.1	1.72		
5.0	29.00	2333.7	2309.2	2291.8	1.30	1.57	1.26	-15.7	-35.5	-33.4	1.80		
5.3	28.88	2341.0	2316.4	2299.0	1.39	1.45	1.18	-15.7	-35.5	-32.7	1.88		
5.5	29.32	2348.3	2323.7	2306.3	1.42	1.56	1.16	-15.7	-35.0	-32.8	1.92		
5.8	29.48	2355.6	2331.1	2313.6	1.44	1.52	1.15	-15.7	-35.2	-32.1	2.06		
6.0	29.80	2363.1	2338.6	2321.1	1.51	1.66	1.16	-15.7	-35.7	-31.6	2.14		
6.3	30.20	2370.6	2346.1	2328.6	1.51	1.67	1.22	-15.6	-34.9	-31.7	2.22		
6.5	30.52	2378.2	2353.7	2336.1	1.58	1.75	1.28	-15.5	-34.9	-32.9	2.32		
6.8	30.68	2385.9	2361.4	2343.8	1.59	1.74	1.40	-15.5	-35.6	-32.7	2.40		
7.0	31.36	2393.7	2369.3	2351.6	1.63	1.85	1.42	-15.7	-35.2	-32.4	2.56		
7.3	31.60	2401.6	2377.2	2359.5	1.64	1.79	1.48	-15.8	-35.2	-31.6	2.56		
7.5	32.08	2409.6	2385.2	2367.5	1.60	1.96	1.53	-16.0	-35.6	-31.2	2.64		
7.8	32.64	2417.8	2393.3	2375.6	1.52	2.02	1.53	-15.9	-35.0	-30.8	2.76		
8.0	33.04	2426.0	2401.6	2383.8	1.45	2.04	1.71	-15.9	-35.1	-31.8	2.76		