

Voltage Controlled Oscillator

ROS-ED8870/2

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	25.23	2200.0	2182.0	2166.8	3.35	3.04	2.35	-15.2	-33.2	-36.8	0.95	1	-80
0.5	24.08	2205.9	2188.0	2173.0	3.35	3.00	2.30	-15.2	-33.7	-37.5	0.98	10	-104
0.8	23.29	2211.8	2193.9	2178.9	3.33	3.01	2.30	-15.2	-33.8	-37.5	0.98	100	-124
1.0	23.14	2217.5	2199.6	2184.6	3.36	3.00	2.29	-15.2	-34.0	-36.7	1.01	1000	-144
1.3	23.09	2223.3	2205.4	2190.4	3.37	2.98	2.26	-15.3	-34.5	-37.0	1.01		
1.5	23.32	2229.2	2211.3	2196.2	3.40	2.96	2.27	-15.3	-34.3	-37.2	1.01		
1.8	23.75	2235.3	2217.2	2202.1	3.43	2.94	2.24	-15.2	-35.0	-37.7	1.04		
2.0	24.31	2241.4	2223.3	2208.1	3.49	3.00	2.25	-15.0	-34.8	-37.2	1.02		
2.3	24.93	2247.7	2229.5	2214.3	3.63	3.03	2.23	-15.0	-35.2	-37.0	1.02		
2.5	25.47	2254.3	2235.9	2220.6	3.70	3.08	2.23	-15.0	-35.3	-36.8	1.02		
2.8	26.35	2260.9	2242.5	2227.1	3.76	3.13	2.26	-15.0	-36.0	-36.7	1.05		
3.0	26.85	2267.7	2249.2	2233.7	3.85	3.28	2.36	-14.8	-36.0	-36.7	1.03		
3.3	27.36	2274.6	2256.0	2240.5	3.85	3.36	2.41	-14.7	-36.0	-35.8	1.03		
3.5	27.94	2281.7	2263.0	2247.4	3.83	3.48	2.49	-14.7	-35.8	-35.7	1.01		
3.8	28.29	2288.8	2270.1	2254.4	3.79	3.51	2.63	-14.7	-36.3	-34.8	1.06		
4.0	28.65	2295.9	2277.2	2261.6	3.75	3.50	2.70	-14.3	-36.7	-34.5	1.00		
4.3	28.77	2303.2	2284.4	2268.7	3.68	3.50	2.80	-14.2	-36.8	-34.5	1.02		
4.5	28.75	2310.3	2291.6	2275.8	3.65	3.44	2.80	-14.2	-36.8	-34.3	1.00		
4.8	28.61	2317.4	2298.8	2283.0	3.64	3.40	2.81	-14.2	-36.5	-33.5	0.96		
5.0	28.50	2324.6	2305.9	2290.1	3.57	3.37	2.75	-14.2	-37.0	-33.2	1.03		
5.3	28.58	2331.7	2313.0	2297.2	3.54	3.32	2.72	-14.3	-37.0	-33.2	1.03		
5.5	28.24	2338.7	2320.1	2304.3	3.44	3.30	2.68	-14.3	-37.2	-33.0	1.04		
5.8	27.91	2345.6	2327.1	2311.2	3.39	3.30	2.65	-14.5	-36.7	-32.7	1.02		
6.0	27.72	2352.5	2334.0	2318.1	3.31	3.21	2.60	-14.5	-36.5	-32.5	1.02		
6.3	27.38	2359.3	2340.8	2325.0	3.19	3.19	2.60	-14.3	-36.7	-32.7	1.00		
6.5	27.11	2366.0	2347.6	2331.8	3.12	3.09	2.57	-14.5	-36.5	-32.7	1.05		
6.8	26.94	2372.7	2354.4	2338.5	3.06	3.02	2.51	-14.5	-36.7	-32.7	1.08		
7.0	26.62	2379.3	2361.0	2345.1	3.04	2.95	2.47	-14.7	-36.7	-32.3	1.06		
7.3	26.34	2385.8	2367.6	2351.7	3.06	2.89	2.42	-14.3	-36.5	-32.2	1.08		
7.5	26.08	2392.3	2374.1	2358.2	3.11	2.85	2.30	-14.3	-36.2	-32.2	1.06		
7.8	26.03	2398.7	2380.6	2364.7	3.21	2.85	2.25	-14.3	-36.0	-32.0	1.09		
8.0	25.76	2405.1	2387.1	2371.1	3.30	2.89	2.23	-14.2	-36.3	-31.5	1.12		
8.3	25.23	2411.4	2393.4	2377.5	3.38	2.99	2.20	-14.2	-36.2	-31.2	1.12		
8.5	25.31	2417.6	2399.7	2383.8	3.51	3.07	2.24	-13.8	-35.8	-30.8	1.10		
8.8	24.80	2423.8	2405.9	2390.0	3.57	3.16	2.31	-13.8	-35.3	-30.7	1.10		
9.0	24.73	2429.9	2412.1	2396.2	3.57	3.25	2.39	-13.7	-35.2	-30.2	1.11		
9.3	24.60	2436.0	2418.2	2402.4	3.57	3.40	2.49	-13.8	-35.2	-29.8	1.13		
9.5	24.29	2442.0	2424.3	2408.5	3.57	3.46	2.63	-13.7	-34.7	-29.5	1.14		
9.8	24.16	2448.0	2430.3	2414.5	3.60	3.49	2.75	-13.7	-35.3	-29.5	1.14		
10.0	23.94	2454.0	2436.3	2420.5	3.54	3.49	2.82	-13.5	-35.2	-29.3	1.14		