

Voltage Controlled Oscillator

ROS-ED9760/1

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	31.72	2135.5	2120.9	2105.3	5.02	5.42	5.37	-20.4	-26.2	-41.8	3.20	1	-72
0.5	32.28	2143.5	2129.0	2113.5	4.93	5.37	5.39	-20.5	-26.8	-40.8	3.20	10	-96
0.8	34.04	2152.2	2137.5	2121.9	4.84	5.34	5.36	-20.7	-27.5	-40.2	3.16	100	-117
1.0	37.12	2161.8	2146.8	2131.0	4.69	5.23	5.31	-21.2	-28.6	-38.6	3.08	1000	-133
1.3	41.48	2172.5	2157.1	2141.1	4.49	5.09	5.22	-21.6	-29.1	-37.9	3.08		
1.5	47.04	2184.8	2168.9	2152.5	4.38	4.86	5.04	-21.9	-30.1	-37.9	3.14		
1.8	53.84	2198.9	2182.4	2165.5	4.33	4.73	4.87	-22.3	-31.5	-38.2	3.12		
2.0	60.88	2214.8	2197.6	2180.3	4.37	4.65	4.67	-22.8	-32.5	-37.8	3.10		
2.3	67.92	2232.4	2214.6	2196.9	4.51	4.69	4.58	-23.3	-33.1	-37.8	3.06		
2.5	74.40	2251.7	2233.2	2215.1	4.72	4.87	4.62	-23.6	-32.3	-39.4	3.02		
2.8	80.08	2272.1	2253.2	2234.8	4.92	5.09	4.80	-24.0	-30.7	-38.6	2.84		
3.0	84.48	2293.7	2274.3	2255.7	4.91	5.25	5.01	-24.3	-29.6	-39.4	2.70		
3.3	86.80	2315.7	2296.0	2277.2	4.78	5.22	5.18	-24.2	-29.9	-40.6	2.34		
3.5	86.32	2337.5	2317.6	2298.7	4.53	5.04	5.14	-23.8	-29.7	-41.6	1.88		
3.8	82.60	2358.1	2338.2	2319.5	4.13	4.78	4.98	-23.4	-28.5	-42.2	1.26		
4.0	76.40	2377.3	2357.3	2338.6	3.95	4.48	4.72	-23.2	-29.0	-42.9	0.72		
4.3	67.32	2393.9	2374.2	2355.6	4.06	4.30	4.44	-22.9	-28.6	-44.0	0.36		
4.5	56.04	2407.3	2388.2	2370.1	4.19	4.36	4.28	-22.5	-28.9	-43.3	0.30		
4.8	44.92	2417.9	2399.4	2381.8	4.39	4.48	4.26	-22.0	-28.6	-42.6	0.54		
5.0	35.20	2426.0	2408.2	2391.1	4.45	4.60	4.32	-21.7	-28.8	-43.8	0.84		
5.3	27.04	2432.2	2415.0	2398.3	4.50	4.68	4.43	-21.4	-28.8	-42.6	1.26		
5.5	20.88	2436.8	2420.2	2403.9	4.55	4.74	4.48	-21.3	-29.2	-43.1	1.74		
5.8	16.08	2440.3	2424.2	2408.2	4.61	4.79	4.54	-21.3	-29.2	-42.4	2.04		
6.0	12.76	2443.1	2427.4	2411.6	4.66	4.80	4.55	-21.1	-29.3	-42.4	2.34		
6.3	10.32	2445.4	2430.0	2414.4	4.67	4.84	4.62	-21.1	-29.3	-42.5	2.46		
6.5	8.64	2447.3	2432.1	2416.7	4.67	4.84	4.62	-21.0	-29.4	-42.0	2.58		
6.8	7.44	2449.0	2434.0	2418.7	4.73	4.87	4.67	-20.9	-29.3	-43.0	2.70		
7.0	6.48	2450.5	2435.6	2420.5	4.73	4.88	4.67	-20.8	-29.1	-42.2	2.70		
7.3	5.68	2451.8	2437.0	2422.0	4.73	4.88	4.67	-20.7	-29.2	-43.1	2.76		
7.5	5.28	2453.0	2438.4	2423.3	4.74	4.93	4.72	-20.7	-29.1	-43.0	2.78		
7.8	4.44	2454.0	2439.5	2424.5	4.74	4.93	4.73	-20.6	-29.3	-42.5	2.88		
8.0	4.32	2455.1	2440.5	2425.7	4.74	4.93	4.73	-20.6	-29.3	-41.0	2.84		
8.3	4.08	2456.0	2441.6	2426.7	4.74	4.93	4.72	-20.6	-28.9	-41.7	2.84		
8.5	3.72	2456.9	2442.5	2427.6	4.74	4.94	4.76	-20.5	-28.9	-42.4	2.76		
8.8	3.40	2457.7	2443.3	2428.5	4.77	4.98	4.76	-20.6	-29.1	-41.1	2.84		
9.0	3.12	2458.4	2444.1	2429.4	4.77	4.99	4.76	-20.6	-28.9	-41.9	2.88		
9.3	3.08	2459.2	2444.9	2430.2	4.77	4.99	4.76	-20.6	-28.9	-42.3	2.88		
9.5	3.12	2459.9	2445.7	2431.0	4.77	4.99	4.76	-20.6	-29.1	-42.9	2.88		
9.8	2.64	2460.6	2446.3	2431.7	4.77	4.99	4.76	-20.6	-28.8	-42.5	2.94		
10.0	2.76	2461.2	2447.0	2432.3	4.76	4.99	4.76	-20.5	-28.9	-42.0	2.94		