

Voltage Controlled Oscillator

ROS-ED9824/1

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	32.80	2242.9	2233.1	2226.4	0.81	1.75	1.61	-30.0	-29.9	-45.8	0.38	1	-75
0.5	28.36	2249.8	2240.2	2233.6	0.70	1.71	1.63	-30.1	-29.8	-42.5	0.42	10	-102
0.8	25.84	2256.0	2246.7	2240.1	0.15	1.73	1.59	-29.7	-29.8	-41.8	0.46	100	-122
1.0	24.04	2261.9	2252.7	2246.1	0.21	1.50	1.60	-30.4	-29.4	-41.1	0.42	1000	-142
1.3	22.88	2267.6	2258.4	2251.8	0.31	1.62	1.58	-30.7	-29.2	-40.6	0.48		
1.5	22.08	2273.0	2263.9	2257.2	0.05	1.59	1.39	-31.0	-29.0	-41.2	0.50		
1.8	21.56	2278.4	2269.3	2262.5	0.24	1.55	1.51	-31.5	-28.8	-41.5	0.54		
2.0	21.44	2283.5	2274.7	2267.6	0.12	1.51	1.41	-33.1	-28.7	-40.5	0.56		
2.3	20.60	2288.6	2279.8	2272.7	0.12	1.46	1.36	-32.2	-28.9	-41.1	0.54		
2.5	20.36	2293.6	2284.9	2277.6	-0.01	1.42	1.32	-29.8	-28.8	-40.8	0.54		
2.8	19.96	2298.5	2289.9	2282.5	-0.24	1.36	1.27	-28.7	-28.8	-40.6	0.54		
3.0	19.80	2303.6	2294.8	2287.4	-0.10	1.32	1.26	-28.7	-28.4	-40.8	0.56		
3.3	19.80	2308.5	2299.8	2292.3	-0.13	1.23	1.20	-28.4	-28.5	-40.7	0.54		
3.5	19.88	2313.4	2304.8	2297.2	-0.40	1.19	1.16	-28.7	-28.4	-41.4	0.56		
3.8	19.80	2318.4	2309.7	2302.1	-0.19	1.28	1.09	-28.3	-28.2	-41.2	0.56		
4.0	19.96	2323.5	2314.7	2307.0	-0.13	1.15	1.04	-28.4	-28.1	-41.4	0.56		
4.3	20.16	2328.6	2319.7	2311.9	-0.05	1.15	1.14	-28.3	-27.7	-41.1	0.60		
4.5	20.32	2333.8	2324.8	2316.9	-0.21	1.26	1.01	-28.3	-27.5	-41.4	0.54		
4.8	20.48	2338.9	2329.9	2322.0	0.12	1.23	1.02	-28.2	-27.5	-40.9	0.56		
5.0	20.72	2344.1	2335.1	2327.1	0.24	1.28	1.13	-27.6	-27.2	-40.9	0.54		
5.3	20.84	2349.4	2340.3	2332.3	0.28	1.40	1.09	-27.9	-27.1	-41.0	0.60		
5.5	21.32	2354.8	2345.7	2337.5	0.32	1.41	1.25	-27.9	-26.7	-40.0	0.54		
5.8	21.60	2360.3	2351.1	2342.9	0.21	1.30	1.28	-27.8	-26.9	-41.2	0.60		
6.0	22.04	2365.9	2356.6	2348.3	0.48	1.50	1.33	-27.3	-27.0	-41.7	0.60		
6.3	22.28	2371.4	2362.1	2353.8	0.20	1.51	1.38	-26.9	-26.8	-40.5	0.60		
6.5	22.76	2377.2	2367.8	2359.4	0.23	1.63	1.38	-27.0	-27.1	-40.6	0.60		
6.8	23.08	2383.0	2373.6	2365.1	0.46	1.56	1.43	-26.9	-26.8	-40.8	0.60		
7.0	23.52	2389.0	2379.5	2370.9	0.50	1.67	1.46	-26.7	-26.7	-41.8	0.54		
7.3	23.68	2395.0	2385.4	2376.8	0.56	1.69	1.40	-26.8	-26.8	-40.1	0.60		
7.5	24.20	2401.2	2391.5	2382.7	0.54	1.66	1.56	-26.9	-26.8	-41.5	0.58		
7.8	24.36	2407.3	2397.5	2388.7	0.34	1.74	1.53	-26.7	-26.9	-41.5	0.48		
8.0	24.40	2413.4	2403.6	2394.7	0.37	1.63	1.59	-26.5	-26.9	-42.0	0.48		
8.3	24.24	2419.6	2409.7	2400.7	0.46	1.72	1.60	-26.2	-26.9	-41.3	0.36		
8.5	24.16	2425.7	2415.7	2406.7	0.42	1.71	1.49	-26.0	-26.8	-42.9	0.30		
8.8	23.76	2431.6	2421.7	2412.6	0.34	1.67	1.56	-25.9	-26.6	-41.7	0.18		
9.0	23.08	2437.5	2427.5	2418.3	0.27	1.62	1.53	-25.4	-26.6	-40.7	0.12		
9.3	22.48	2443.2	2433.1	2423.9	0.18	1.53	1.47	-25.5	-26.6	-41.9	0.00		
9.5	21.52	2448.7	2438.5	2429.3	0.22	1.46	1.44	-25.5	-26.4	-42.7	0.06		
9.8	20.88	2453.9	2443.7	2434.4	0.25	1.42	1.40	-25.2	-26.9	-43.3	0.06		
10.0	19.72	2458.8	2448.6	2439.4	0.19	1.38	1.35	-24.9	-27.1	-43.3	0.12		
10.3	18.72	2463.5	2453.3	2444.0	0.20	1.36	1.30	-24.5	-26.9	-44.5	0.18		
10.5	17.68	2467.9	2457.7	2448.4	0.19	1.33	1.26	-24.6	-27.5	-44.4	0.12		
10.8	16.48	2472.0	2461.8	2452.5	0.24	1.35	1.28	-24.2	-27.2	-43.8	0.18		
11.0	15.56	2475.9	2465.7	2456.4	0.25	1.33	1.24	-24.2	-27.2	-43.7	0.12		