

Voltage Controlled Oscillator

ROS-EDR6330

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	30.64	2280.1	2273.4	2266.6	4.90	4.21	3.25	-26.4	-37.3	-26.9	0.48	1	-82
1.0	26.04	2293.0	2286.4	2279.7	5.28	4.49	3.68	-26.3	-36.5	-26.6	0.33	10	-107
1.5	23.73	2304.6	2298.3	2291.5	5.53	4.86	3.99	-26.2	-36.1	-26.1	0.54	100	-127
2.0	21.78	2315.5	2309.1	2302.6	5.67	5.08	4.24	-26.4	-36.3	-26.5	0.55	1000	-147
2.5	20.78	2326.0	2319.5	2313.0	5.73	5.22	4.46	-26.3	-35.4	-26.3	0.53		
3.0	20.21	2336.1	2329.6	2323.1	5.92	5.32	4.61	-26.3	-34.6	-27.3	0.45		
3.5	19.72	2346.0	2339.5	2332.8	6.04	5.48	4.76	-26.0	-34.2	-28.2	0.50		
4.0	19.37	2355.7	2349.2	2342.5	6.11	5.61	4.87	-26.2	-33.7	-30.1	0.50		
4.5	19.20	2365.4	2358.8	2352.1	6.18	5.68	4.99	-25.8	-32.9	-32.2	0.48		
5.0	19.37	2375.2	2368.5	2361.7	6.26	5.74	5.08	-25.8	-32.2	-33.6	0.40		
5.5	19.44	2384.9	2378.2	2371.2	6.32	5.83	5.17	-25.7	-32.0	-36.3	0.51		
6.0	19.48	2394.7	2387.9	2381.0	6.39	5.92	5.24	-25.7	-31.5	-36.1	0.48		
6.5	19.70	2404.6	2397.8	2390.8	6.46	6.02	5.35	-25.5	-31.0	-36.0	0.44		
7.0	19.98	2414.7	2407.8	2400.7	6.58	6.10	5.47	-25.5	-30.7	-33.9	0.45		
7.5	20.38	2425.0	2418.0	2410.8	6.69	6.21	5.57	-25.6	-31.1	-32.6	0.44		
8.0	20.92	2435.6	2428.4	2421.2	6.77	6.31	5.66	-25.6	-31.2	-32.0	0.44		
8.5	21.42	2446.3	2439.1	2431.8	6.82	6.37	5.72	-25.4	-30.6	-32.5	0.43		
9.0	21.88	2457.4	2450.1	2442.7	6.91	6.46	5.80	-25.3	-30.7	-33.8	0.41		
9.5	22.51	2468.7	2461.3	2453.8	6.98	6.56	5.92	-25.4	-30.0	-34.4	0.42		
10.0	23.08	2480.3	2472.9	2465.3	7.04	6.64	6.01	-25.2	-30.1	-35.2	0.32		
10.5	23.41	2492.2	2484.6	2477.0	7.07	6.65	6.04	-25.4	-29.9	-35.0	0.20		
11.0	23.94	2504.2	2496.5	2488.8	7.15	6.72	6.10	-25.3	-30.1	-35.8	-0.01		
11.5	24.05	2516.3	2508.6	2500.8	7.23	6.81	6.19	-25.2	-29.3	-36.1	-0.37		
12.0	23.63	2528.1	2520.4	2512.6	7.25	6.86	6.26	-25.2	-29.6	-36.7	-0.88		
12.5	22.99	2539.7	2531.9	2524.1	7.24	6.87	6.30	-25.4	-29.7	-36.8	-1.45		
13.0	22.07	2550.7	2542.9	2535.1	7.16	6.82	6.26	-25.5	-30.3	-38.1	-2.06		
13.5	20.72	2561.1	2553.3	2545.6	7.14	6.77	6.20	-25.5	-30.2	-38.9	-2.64		
14.0	19.39	2570.9	2563.0	2555.3	7.13	6.76	6.17	-25.7	-30.7	-40.3	-3.14		