

Voltage Controlled Oscillator

ROS-EDR4640

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			
1.0	48.40	1988.4	1975.9	1962.1	7.10	5.57	3.15	-13.2	-21.0	-20.4	-0.03	1	-61
2.0	46.10	2038.3	2022.0	2019.7	7.54	5.68	3.32	-12.6	-23.8	-21.2	0.45	10	-88
3.0	51.60	2094.9	2073.7	2075.5	7.88	4.41	3.67	-11.8	-33.0	-22.0	0.48	100	-110
4.0	92.10	2178.0	2165.8	2154.7	8.12	4.96	3.89	-10.8	-23.5	-21.9	-0.22	1000	-134
5.0	114.40	2296.5	2280.2	2255.7	7.96	6.17	4.19	-12.2	-19.2	-24.5	-1.66		
6.0	121.30	2423.6	2401.5	2371.1	8.08	6.58	4.70	-12.4	-17.5	-28.8	-3.71		
7.0	108.00	2539.5	2509.4	2479.5	8.20	6.79	5.05	-13.6	-18.0	-33.0	-4.38		
8.0	81.50	2629.0	2590.9	2570.6	8.41	6.85	5.23	-16.1	-17.2	-40.6	-4.45		
9.0	84.50	2700.2	2675.4	2641.8	8.69	7.14	5.21	-16.9	-16.8	-36.7	-4.03		
10.0	56.30	2771.7	2731.7	2701.0	8.65	7.35	5.48	-17.7	-16.1	-34.1	-3.87		
11.0	49.30	2812.9	2781.0	2762.6	8.54	7.27	5.00	-17.1	-15.9	-34.3	-3.94		
12.0	48.10	2869.7	2829.1	2798.0	8.66	7.13	5.59	-16.6	-16.0	-34.9	-3.58		
13.0	50.00	2907.3	2879.0	2844.0	8.79	7.05	5.12	-17.2	-16.1	-37.3	-3.58		
14.0	38.70	2942.0	2917.7	2884.5	8.58	7.10	5.38	-18.4	-16.0	-45.5	-3.52		
15.0	30.70	2984.8	2948.4	2911.6	8.77	7.19	5.65	-18.7	-16.6	-45.6	-3.55		
16.0	27.00	3008.7	2975.4	2939.2	8.86	7.16	5.40	-18.6	-16.7	-48.9	-2.98		
17.0	25.00	3035.3	3000.5	2981.4	8.64	7.22	5.28	-19.5	-18.1	-57.4	-3.30		
18.0	24.80	3071.1	3025.3	3002.7	8.46	7.14	5.73	-20.1	-18.3	-44.7	-3.46		
19.0	32.50	3096.9	3057.8	3020.5	8.73	6.74	5.74	-20.2	-18.7	-42.4	-3.58		
20.0	32.50	3113.3	3090.3	3044.5	8.82	6.42	5.34	-19.5	-18.2	-40.6	-3.20		