

Voltage Controlled Oscillator

ROS-EDR5624

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	64.75	1771.7	1757.8	1751.0	6.57	6.11	5.64	-24.5	-45.1	-38.9	1.11	1	-74
2.0	48.77	1819.9	1806.5	1800.2	6.38	6.07	5.72	-26.1	-42.6	-37.3	1.28	10	-101
3.0	43.15	1862.8	1849.7	1843.5	6.53	6.18	5.81	-27.8	-41.4	-36.4	1.35	100	-123
4.0	40.90	1904.2	1890.6	1884.2	6.54	6.31	6.04	-29.7	-40.5	-35.9	1.42	1000	-142
5.0	40.80	1945.1	1931.4	1925.0	6.73	6.43	6.14	-32.3	-39.8	-35.3	1.44		
6.0	40.67	1986.3	1972.0	1965.5	6.94	6.68	6.44	-34.5	-40.2	-35.3	1.45		
7.0	42.58	2029.3	2014.6	2007.9	7.03	6.77	6.54	-35.1	-40.2	-34.4	1.45		
8.0	45.01	2074.9	2059.6	2052.7	7.17	6.86	6.63	-35.2	-39.3	-34.0	1.43		
9.0	47.60	2123.1	2107.2	2099.9	7.31	7.03	6.82	-35.6	-37.3	-34.9	1.39		
10.0	51.05	2174.6	2158.3	2150.9	7.50	7.20	6.97	-35.9	-37.1	-34.5	1.30		
11.0	52.65	2227.5	2210.9	2203.4	7.79	7.43	7.19	-36.5	-42.5	-36.2	1.11		
12.0	53.36	2281.3	2264.3	2256.6	8.05	7.62	7.40	-37.4	-40.9	-40.0	0.87		
13.0	51.50	2333.0	2315.8	2308.2	8.34	7.92	7.70	-38.2	-35.0	-40.8	0.62		
14.0	49.66	2382.5	2365.5	2357.8	8.46	8.04	7.85	-39.5	-33.2	-43.9	0.50		
15.0	46.28	2428.7	2411.7	2404.0	8.50	8.09	7.95	-40.9	-32.8	-48.0	0.51		
16.0	42.81	2471.5	2454.6	2446.8	8.61	8.13	7.98	-43.2	-31.9	-49.4	0.62		
17.0	39.38	2510.2	2493.9	2486.4	8.60	8.12	8.00	-45.1	-32.2	-54.1	0.77		
18.0	36.15	2546.1	2530.1	2522.5	8.27	8.05	7.98	-45.3	-32.6	-58.5	0.82		
19.0	33.46	2578.4	2563.5	2556.2	8.01	7.65	7.57	-42.5	-32.2	-60.1	0.85		
20.0	30.19	2608.5	2593.7	2586.5	7.80	7.40	7.34	-41.1	-33.1	-54.1	0.80		
21.0	29.30	2637.4	2623.0	2615.8	7.39	7.16	7.16	-39.4	-32.4	-49.6	0.78		
22.0	27.09	2664.2	2650.1	2643.2	6.97	6.77	6.81	-38.1	-32.5	-46.1	0.76		
23.0	25.36	2689.3	2675.5	2668.5	6.59	6.34	6.35	-36.7	-32.4	-44.3	0.74		
24.0	24.25	2713.7	2699.7	2692.5	6.23	6.02	5.94	-36.5	-31.4	-43.7	0.71		
25.0	23.09	2737.1	2722.8	2715.6	6.06	5.73	5.75	-35.1	-31.8	-44.0	0.66		
26.0	21.95	2759.2	2744.8	2737.6	5.71	5.39	5.47	-35.4	-31.2	-43.7	0.56		
27.0	20.30	2779.3	2765.1	2757.9	5.30	5.08	5.23	-34.4	-31.0	-44.0	0.45		
28.0	18.53	2798.1	2783.6	2776.4	4.89	4.63	4.80	-34.3	-30.9	-44.9	0.36		
29.0	16.99	2815.5	2800.6	2793.2	4.61	4.28	4.39	-33.8	-31.0	-45.0	0.30		
30.0	15.33	2831.3	2815.9	2808.5	4.43	4.03	4.15	-33.6	-30.7	-45.8	0.28		