

Voltage Controlled Oscillator

ROS-EDR6150

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	65.65	1765.6	1753.0	1741.4	6.78	6.49	5.66	-24.0	-44.0	-40.6	0.90	1	-73
2.0	49.21	1814.4	1802.2	1791.4	6.71	6.45	5.71	-26.2	-41.2	-37.4	1.07	10	-99
3.0	44.09	1858.1	1846.3	1835.3	6.73	6.46	5.92	-28.1	-39.2	-35.6	1.16	100	-122
4.0	42.29	1900.8	1888.6	1877.4	6.65	6.49	6.00	-30.4	-37.7	-34.9	1.23	1000	-142
5.0	42.18	1943.2	1930.8	1919.2	6.77	6.54	6.06	-32.5	-36.4	-34.2	1.27		
6.0	42.99	1986.5	1973.7	1961.4	6.81	6.60	6.26	-34.0	-36.1	-33.2	1.32		
7.0	45.10	2032.4	2018.8	2006.2	6.90	6.67	6.28	-35.0	-36.5	-33.8	1.35		
8.0	48.18	2080.9	2067.0	2053.4	7.15	6.78	6.46	-35.4	-37.5	-35.4	1.37		
9.0	50.94	2132.4	2118.0	2103.9	7.30	6.97	6.58	-35.8	-40.3	-36.3	1.32		
10.0	53.44	2185.5	2171.4	2156.7	7.54	7.13	6.77	-36.2	-48.7	-37.2	1.15		
11.0	53.63	2239.4	2225.0	2210.6	7.72	7.37	6.94	-37.3	-48.4	-38.7	0.85		
12.0	53.11	2292.0	2278.1	2264.0	7.89	7.45	7.11	-38.9	-39.6	-39.5	0.51		
13.0	50.86	2342.7	2329.0	2315.3	8.00	7.62	7.25	-40.8	-35.8	-41.0	0.19		
14.0	47.95	2390.4	2377.0	2363.8	7.96	7.59	7.28	-43.3	-33.3	-42.0	-0.01		
15.0	44.65	2434.6	2421.6	2408.6	7.94	7.59	7.20	-45.7	-32.2	-44.8	-0.14		
16.0	41.27	2475.9	2462.9	2450.3	7.76	7.39	7.13	-45.9	-31.2	-47.1	-0.14		
17.0	38.06	2513.5	2500.9	2488.8	7.56	7.20	6.90	-44.4	-31.4	-49.7	-0.09		
18.0	35.26	2548.8	2536.2	2523.8	7.36	6.97	6.66	-42.5	-31.6	-49.9	0.00		
19.0	32.48	2582.1	2568.7	2556.8	7.09	6.65	6.44	-40.4	-31.2	-50.4	0.09		
20.0	30.77	2612.1	2599.4	2587.9	6.69	6.38	6.16	-39.2	-31.6	-47.1	0.18		
21.0	28.56	2640.8	2628.0	2616.3	6.39	6.04	5.75	-37.6	-31.2	-47.1	0.24		
22.0	26.91	2668.5	2654.9	2643.2	6.17	5.64	5.44	-36.5	-32.0	-46.1	0.28		
23.0	25.84	2693.6	2680.7	2669.4	5.75	5.38	5.15	-35.7	-32.1	-45.7	0.29		
24.0	24.03	2717.6	2704.8	2693.3	5.33	4.98	4.78	-34.8	-31.4	-46.4	0.27		
25.0	22.37	2740.8	2727.1	2716.0	5.00	4.56	4.43	-34.1	-32.4	-47.5	0.23		
26.0	21.54	2761.9	2748.7	2737.1	4.73	4.20	4.00	-33.4	-32.6	-47.7	0.13		
27.0	19.92	2781.9	2768.6	2757.2	4.42	3.95	3.73	-32.8	-32.9	-46.8	0.06		
28.0	17.95	2800.0	2786.6	2774.7	4.16	3.65	3.46	-32.5	-33.8	-47.6	0.00		
29.0	15.89	2816.3	2802.5	2790.8	3.82	3.34	3.21	-32.2	-32.7	-47.6	-0.01		
30.0	14.01	2831.2	2816.5	2804.7	3.58	2.99	2.98	-31.6	-32.7	-48.3	0.02		
31.0	12.39	2843.3	2828.8	2816.7	3.39	2.71	2.70	-31.6	-32.7	-48.3	0.09		
32.0	10.78	2853.7	2839.6	2827.1	2.77	2.51	2.43	-31.4	-33.0	-48.9	0.18		