

Voltage Controlled Oscillator

ROS-EDR4746

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	179.60	1464.1	1424.0	1377.9	5.99	4.80	4.62	-10.7	-20.7	-24.8	-3.90	1	-56
1.0	128.40	1531.7	1488.2	1453.1	6.42	5.96	5.21	-12.0	-20.8	-27.4	-3.65	10	-86
1.5	176.80	1626.4	1576.6	1534.6	7.04	5.49	5.26	-10.2	-17.8	-32.6	-0.58	100	-110
2.0	159.90	1705.3	1656.5	1622.3	7.62	6.49	5.57	-11.3	-17.8	-39.9	0.26	1000	-133
2.5	142.80	1778.9	1727.9	1699.5	7.91	7.05	6.06	-12.6	-17.3	-33.2	0.70		
3.0	153.60	1850.4	1804.7	1773.1	8.39	6.93	6.46	-14.1	-16.6	-31.0	-0.06		
3.5	133.00	1920.6	1871.2	1847.4	8.57	7.60	6.73	-15.9	-17.1	-33.0	-1.22		
4.0	155.80	1994.9	1949.1	1924.0	8.74	7.74	6.86	-18.5	-17.7	-33.3	-2.50		
4.5	163.80	2068.7	2031.0	2001.3	9.05	7.64	7.02	-21.7	-19.6	-34.8	-2.82		
5.0	137.20	2140.7	2099.7	2079.0	9.07	8.13	7.18	-27.4	-26.4	-35.1	-4.48		
5.5	159.50	2212.1	2179.4	2156.0	9.12	7.90	7.18	-28.1	-32.6	-35.1	-5.57		
6.0	163.50	2282.4	2261.1	2234.1	9.22	7.79	6.94	-25.3	-23.5	-40.1	-6.59		
6.5	120.10	2351.3	2321.2	2307.9	9.19	7.71	6.69	-27.9	-20.0	-47.3	-5.95		
7.0	128.40	2415.7	2385.3	2371.1	9.12	7.54	6.69	-30.5	-19.6	-63.3	-9.47		
7.5	135.60	2471.3	2453.1	2425.4	9.21	7.58	6.72	-27.0	-20.0	-51.1	-6.72		
8.0	99.10	2517.6	2502.7	2473.9	9.16	7.59	6.67	-28.5	-20.3	-58.9	-5.25		
8.5	68.90	2563.1	2537.1	2521.0	9.08	7.60	6.56	-27.9	-21.1	-70.3	-4.29		
9.0	67.20	2606.1	2570.7	2556.2	9.04	7.25	6.42	-28.8	-20.6	-72.4	-4.99		
9.5	71.80	2639.2	2606.6	2597.3	9.08	7.24	6.38	-25.1	-21.6	-52.0	-7.62		
10.0	90.20	2675.6	2651.7	2627.8	9.03	7.25	6.32	-29.5	-22.2	-58.0	-5.38		
10.5	71.90	2706.1	2687.7	2659.7	8.95	7.25	6.27	-26.5	-22.4	-55.5	-3.33		
11.0	53.60	2730.9	2714.5	2687.7	8.95	7.39	6.37	-25.1	-23.0	-52.3	-3.58		
11.5	48.90	2762.8	2738.9	2713.3	8.84	7.33	6.18	-27.0	-23.1	-56.5	-3.01		
12.0	37.50	2783.8	2757.7	2741.7	8.72	7.43	6.07	-28.3	-23.0	-60.0	-2.94		
12.5	38.70	2805.8	2777.0	2762.2	8.62	7.35	6.10	-26.7	-22.4	-57.9	-3.33		
13.0	39.40	2835.5	2796.7	2783.8	8.62	7.13	5.83	-27.1	-23.6	-56.3	-2.88		
13.5	33.70	2853.4	2813.6	2807.8	8.71	7.09	5.71	-27.8	-22.8	-60.9	-4.03		
14.0	45.80	2871.4	2836.5	2829.8	8.56	6.77	5.76	-27.6	-21.3	-60.3	-5.44		