

Voltage Controlled Oscillator

ROS-EDR6453

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	33.65	2115.6	2097.6	2081.5	7.61	7.26	6.78	-18.2	-25.0	-28.9	0.87	1	-76
2.0	31.14	2148.7	2131.3	2115.2	7.93	7.51	6.93	-16.5	-23.3	-28.9	0.93	10	-100
3.0	31.49	2179.6	2162.4	2146.4	7.99	7.73	7.16	-15.9	-22.6	-27.4	0.94	100	-121
4.0	30.37	2211.1	2193.9	2176.2	8.22	7.94	7.28	-15.3	-22.6	-26.8	1.03	1000	-141
5.0	29.40	2241.3	2224.3	2207.0	8.47	8.06	7.48	-14.9	-21.9	-25.9	1.08		
6.0	31.82	2272.7	2253.7	2237.3	8.55	8.18	7.67	-14.6	-21.4	-26.0	1.11		
7.0	32.17	2303.8	2285.5	2267.7	8.76	8.37	7.70	-14.6	-21.0	-25.7	1.13		
8.0	33.73	2335.5	2317.7	2300.3	8.78	8.54	7.94	-14.6	-21.5	-26.7	1.14		
9.0	34.62	2369.3	2351.4	2333.4	8.82	8.58	8.10	-14.3	-21.7	-26.8	1.15		
10.0	35.95	2404.1	2386.0	2368.5	8.83	8.56	8.13	-15.0	-21.8	-27.8	1.12		
11.0	35.57	2440.1	2422.0	2404.3	8.97	8.60	8.20	-14.7	-22.1	-29.8	1.00		
12.0	34.85	2475.3	2457.5	2440.7	9.19	8.79	8.33	-15.3	-22.4	-32.0	0.66		
13.0	33.68	2510.6	2492.4	2475.1	9.47	9.00	8.55	-15.6	-23.1	-34.6	0.45		
14.0	30.93	2543.5	2526.1	2509.1	9.57	9.28	8.70	-16.1	-24.3	-37.3	0.25		
15.0	29.05	2574.7	2557.0	2539.9	9.55	9.30	8.90	-16.1	-24.8	-38.9	0.16		
16.0	26.63	2603.8	2586.1	2568.3	9.54	9.27	8.87	-16.5	-25.3	-40.3	0.16		
17.0	24.60	2630.8	2612.7	2595.2	9.52	9.30	8.92	-16.7	-25.5	-41.2	0.19		
18.0	22.42	2655.4	2637.3	2619.4	9.37	9.21	8.88	-16.6	-24.7	-41.2	0.25		
19.0	20.62	2677.9	2659.7	2641.9	9.28	9.18	8.91	-17.0	-25.3	-41.8	0.34		
20.0	19.27	2698.9	2680.3	2662.4	9.12	9.04	8.82	-17.1	-25.2	-41.0	0.43		
21.0	17.96	2718.4	2699.6	2681.3	9.04	8.98	8.77	-17.0	-24.4	-39.4	0.48		
22.0	16.17	2736.3	2717.6	2698.7	8.99	8.91	8.70	-17.3	-24.7	-39.3	0.52		
23.0	14.78	2752.6	2733.7	2715.1	8.97	8.84	8.62	-17.7	-25.0	-39.2	0.55		
24.0	14.78	2767.7	2748.5	2729.8	8.91	8.83	8.58	-18.0	-25.0	-38.4	0.57		