

Voltage Controlled Oscillator

ROS-EDR5595

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	46.70	2100.1	2087.4	2075.4	3.80	2.89	1.51	-11.3	-23.1	-33.2	0.51	1	-78
1.0	39.84	2120.0	2107.4	2095.0	4.15	3.11	1.84	-10.9	-23.1	-32.5	0.55	10	-102
1.5	33.14	2136.3	2123.9	2112.2	4.35	3.36	1.96	-11.2	-22.8	-32.9	0.59	100	-122
2.0	31.58	2151.7	2139.7	2128.7	4.42	3.45	2.35	-11.3	-22.7	-33.8	0.64	1000	-142
2.5	30.70	2166.9	2155.1	2143.1	4.68	3.71	2.51	-11.3	-23.1	-32.5	0.63		
3.0	28.00	2181.0	2169.1	2157.5	4.87	3.90	2.64	-11.4	-22.9	-32.2	0.65		
3.5	28.73	2195.5	2183.4	2171.8	4.83	4.05	2.90	-11.5	-23.1	-33.0	0.70		
4.0	27.97	2209.4	2197.4	2185.6	5.01	4.16	3.05	-11.7	-23.2	-32.9	0.68		
4.5	27.30	2223.2	2211.1	2199.7	5.09	4.25	3.07	-11.8	-23.2	-33.1	0.70		
5.0	28.01	2237.0	2225.1	2213.7	5.10	4.31	3.32	-11.8	-23.7	-33.8	0.73		
5.5	28.46	2251.4	2239.3	2227.6	5.12	4.39	3.42	-11.8	-24.3	-33.7	0.76		
6.0	28.49	2265.6	2253.5	2241.8	5.11	4.44	3.50	-12.1	-24.5	-33.8	0.75		
6.5	29.29	2280.5	2268.2	2256.5	5.16	4.46	3.62	-12.0	-25.2	-34.6	0.78		
7.0	30.15	2295.3	2283.3	2271.3	5.21	4.58	3.69	-11.8	-25.1	-34.3	0.79		
7.5	30.45	2310.8	2298.5	2286.9	5.23	4.63	3.82	-11.9	-25.2	-34.7	0.82		
8.0	31.59	2326.7	2314.3	2302.4	5.26	4.71	3.96	-12.0	-24.9	-35.1	0.82		
8.5	32.52	2343.0	2330.5	2318.6	5.27	4.77	4.04	-12.2	-24.8	-35.9	0.86		
9.0	33.71	2359.9	2347.4	2335.4	5.26	4.79	4.15	-12.1	-25.8	-36.0	0.86		
9.5	34.35	2377.2	2364.6	2352.6	5.31	4.85	4.20	-12.1	-26.0	-35.8	0.86		
10.0	36.01	2394.9	2382.6	2370.4	5.22	4.84	4.29	-12.2	-25.9	-34.7	0.87		
10.5	35.84	2413.0	2400.5	2388.3	5.27	4.93	4.41	-12.3	-26.6	-34.2	0.82		
11.0	36.37	2431.2	2418.7	2406.5	5.35	4.99	4.46	-12.5	-27.1	-32.8	0.80		
11.5	36.96	2449.7	2437.2	2425.0	5.55	5.14	4.58	-12.7	-27.9	-32.0	0.73		
12.0	36.40	2467.9	2455.4	2443.3	5.76	5.32	4.75	-13.4	-28.6	-31.3	0.69		
12.5	37.11	2486.2	2473.9	2461.6	6.00	5.55	4.99	-13.3	-29.8	-30.3	0.62		
13.0	35.57	2504.2	2491.7	2479.4	6.17	5.80	5.23	-13.6	-30.1	-30.0	0.56		
13.5	35.50	2521.8	2509.4	2497.2	6.31	5.89	5.35	-13.7	-29.9	-29.9	0.52		
14.0	33.95	2538.9	2526.4	2514.2	6.53	6.14	5.56	-14.5	-30.9	-29.5	0.47		
14.5	33.34	2555.3	2543.1	2530.9	6.61	6.22	5.73	-14.1	-30.0	-29.6	0.45		
15.5	30.91	2587.3	2574.5	2562.0	6.71	6.44	5.89	-14.6	-29.0	-29.4	0.42		
16.0	30.14	2602.1	2589.6	2577.0	6.73	6.44	5.99	-14.8	-29.3	-29.2	0.42		
17.0	27.39	2630.2	2617.5	2604.9	6.65	6.50	6.06	-15.0	-29.3	-31.3	0.44		
17.5	26.38	2643.3	2630.7	2618.1	6.62	6.38	6.04	-15.0	-28.7	-32.1	0.44		
18.5	24.33	2668.6	2655.4	2642.5	6.58	6.43	6.05	-15.7	-29.3	-34.5	0.47		
19.0	23.79	2680.3	2667.3	2654.1	6.44	6.32	6.03	-15.6	-29.2	-35.8	0.50		
20.0	21.73	2702.8	2689.5	2676.4	6.44	6.24	5.96	-15.8	-29.4	-37.7	0.50		
20.5	21.19	2713.3	2700.1	2686.7	6.39	6.24	5.93	-15.8	-29.4	-38.8	0.52		
21.5	19.41	2733.4	2719.9	2706.6	6.33	6.21	5.95	-16.0	-30.0	-40.9	0.51		
22.0	18.90	2742.9	2729.4	2716.0	6.35	6.18	5.93	-16.5	-30.8	-40.6	0.51		