

Voltage Controlled Oscillator

ROS-2770+

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			
0.0	60.49	1853.0	1835.9	1823.0	5.11	4.50	3.83	-11.2	-25.6	-28.7	1.75	1	-77
0.5	58.60	1882.4	1866.1	1854.1	5.16	4.64	3.96	-11.4	-25.0	-28.4	1.87	10	-102
2.0	60.07	1969.4	1953.1	1941.7	5.29	4.71	4.11	-11.6	-24.0	-28.2	2.15	100	-124
3.0	64.90	2030.1	2013.2	2001.6	5.33	4.88	4.35	-11.9	-23.9	-26.2	2.27	1000	-143
4.0	65.10	2095.3	2078.1	2066.1	5.56	5.01	4.42	-12.3	-23.4	-26.9	2.42		
5.0	63.12	2160.4	2143.2	2131.1	5.56	5.04	4.53	-12.6	-22.5	-27.3	2.52		
6.0	59.77	2223.3	2206.3	2194.5	5.64	5.13	4.62	-13.2	-22.8	-24.5	2.52		
7.0	56.36	2282.9	2266.0	2254.3	5.58	5.08	4.69	-14.2	-23.5	-24.5	2.48		
8.0	54.04	2338.2	2322.4	2311.0	5.57	5.18	4.75	-14.4	-23.0	-25.6	2.44		
9.0	51.14	2391.4	2376.4	2365.1	5.48	5.03	4.67	-15.1	-22.9	-26.0	2.42		
10.0	49.20	2442.3	2427.6	2416.4	5.41	5.07	4.76	-15.8	-23.0	-26.3	2.26		
11.0	47.84	2490.3	2476.8	2466.1	5.23	4.97	4.68	-16.4	-23.3	-30.1	2.06		
12.0	46.70	2537.8	2524.6	2514.1	5.10	4.91	4.62	-16.8	-23.1	-31.9	1.85		
13.0	45.16	2584.2	2571.3	2560.7	5.07	4.87	4.61	-17.2	-24.3	-30.6	1.75		
14.0	43.40	2628.9	2616.5	2605.9	4.93	4.79	4.54	-17.7	-23.3	-31.5	1.59		
15.0	41.67	2671.8	2659.9	2649.7	4.77	4.63	4.44	-18.5	-23.1	-31.9	1.33		
16.0	41.12	2712.7	2701.6	2691.5	4.62	4.55	4.35	-18.6	-22.8	-33.7	1.05		
17.0	38.74	2753.6	2742.7	2732.5	4.39	4.38	4.20	-18.7	-23.4	-33.7	0.81		
18.0	36.61	2792.0	2781.4	2771.5	4.28	4.28	4.10	-18.5	-24.3	-33.4	0.61		
19.0	35.13	2829.6	2818.0	2807.8	4.06	4.14	4.02	-18.0	-25.4	-33.0	0.36		
20.0	31.29	2864.1	2853.1	2843.2	3.95	4.01	3.83	-18.0	-25.4	-33.3	0.15		
21.0	28.06	2895.4	2884.4	2874.4	3.89	3.91	3.76	-17.6	-23.9	-34.5	0.03		
22.0	24.91	2924.1	2912.5	2902.0	3.74	3.81	3.68	-17.8	-22.4	-35.4	0.14		
23.0	21.07	2949.1	2937.4	2926.5	3.56	3.67	3.55	-17.9	-21.9	-36.0	0.13		
24.0	17.23	2970.1	2958.5	2947.5	3.47	3.52	3.40	-18.3	-22.5	-37.3	0.00		
25.0	14.22	2987.3	2975.7	2965.0	3.38	3.45	3.29	-18.1	-22.3	-37.0	0.18		
26.0	11.93	3001.9	2989.9	2979.1	3.28	3.36	3.23	-18.2	-23.0	-35.2	0.37		
27.0	11.93	3013.9	3001.8	2990.9	3.15	3.28	3.16	-18.4	-23.5	-35.8	0.54		