

Voltage Controlled Oscillator

ROS-2350+

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	42.17	2106.0	2095.5	2084.6	5.55	5.62	5.97	-27.2	-44.1	-45.3	3.79	1	-78
0.5	34.63	2125.9	2116.6	2106.8	5.52	5.60	5.91	-27.1	-45.2	-44.6	3.87	10	-102
1.0	31.12	2142.8	2133.9	2124.8	5.42	5.54	5.87	-26.4	-45.2	-43.8	3.90	100	-123
1.5	29.07	2158.1	2149.4	2140.7	5.49	5.51	5.84	-27.1	-45.3	-42.5	3.95	1000	-143
2.0	27.81	2172.4	2164.0	2155.2	5.53	5.53	5.80	-27.4	-46.7	-41.7	3.97		
2.5	27.11	2186.2	2177.9	2169.2	5.51	5.55	5.73	-27.6	-46.7	-40.6	3.97		
3.0	26.79	2199.7	2191.4	2183.0	5.48	5.52	5.67	-26.9	-46.8	-39.7	3.96		
3.5	27.09	2213.1	2204.8	2196.4	5.40	5.47	5.73	-26.9	-47.2	-39.2	3.97		
4.0	27.10	2226.7	2218.4	2209.7	5.40	5.38	5.75	-27.2	-46.8	-38.5	4.02		
4.5	27.58	2240.3	2231.9	2223.4	5.51	5.47	5.70	-27.5	-47.6	-38.2	3.99		
5.0	28.26	2254.1	2245.7	2237.4	5.48	5.49	5.64	-27.7	-47.2	-37.1	4.03		
5.5	28.91	2268.3	2259.8	2251.5	5.46	5.47	5.61	-27.2	-47.9	-36.6	4.04		
6.0	29.89	2282.9	2274.3	2265.7	5.37	5.42	5.66	-27.0	-46.4	-37.8	4.05		
6.5	30.50	2297.9	2289.2	2280.4	5.30	5.28	5.61	-27.3	-45.9	-39.9	4.11		
7.0	31.45	2313.1	2304.5	2295.8	5.32	5.29	5.51	-27.1	-46.4	-42.5	4.06		
7.5	32.71	2329.1	2320.2	2311.7	5.35	5.30	5.42	-26.8	-45.5	-42.4	4.10		
8.0	33.37	2345.5	2336.6	2327.7	5.34	5.28	5.47	-26.4	-44.9	-40.7	4.10		
8.5	33.54	2362.3	2353.3	2344.3	5.30	5.26	5.39	-26.4	-44.8	-39.5	4.06		
9.0	33.32	2379.2	2370.0	2361.1	5.25	5.23	5.33	-26.5	-45.1	-38.5	3.98		
9.5	32.66	2396.1	2386.7	2377.6	5.20	5.21	5.37	-26.1	-44.2	-37.4	3.92		
10.0	30.74	2412.4	2403.0	2393.7	5.27	5.16	5.34	-25.8	-43.3	-37.0	3.83		
10.5	28.58	2427.8	2418.4	2409.2	5.27	5.21	5.31	-26.3	-43.7	-36.8	3.71		
11.0	26.46	2442.1	2432.7	2423.4	5.26	5.21	5.32	-26.4	-44.0	-37.0	3.65		
11.5	24.33	2455.4	2445.9	2436.7	5.19	5.19	5.35	-26.2	-43.0	-38.3	3.66		
12.0	24.33	2467.7	2458.1	2448.9	5.09	5.12	5.30	-26.1	-43.3	-40.0	3.76		