

Voltage Controlled Oscillator

ROS-2350-519+

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	40.91	1892.8	1885.8	1880.7	8.48	7.57	6.48	-18.7	-34.1	-38.8	0.15	1	-82
0.5	37.54	1912.8	1906.3	1901.5	8.40	7.49	6.40	-19.1	-34.2	-37.7	0.28	10	-107
1.0	36.77	1931.4	1925.0	1920.5	8.33	7.40	6.30	-19.3	-33.4	-36.1	0.32	100	-127
1.5	38.07	1950.1	1943.4	1938.9	8.26	7.34	6.24	-18.7	-33.5	-37.1	0.35	1000	-145
2.0	38.62	1968.9	1962.4	1957.9	8.18	7.28	6.18	-18.4	-33.3	-37.3	0.35		
2.5	40.93	1988.5	1981.7	1977.1	8.15	7.24	6.17	-19.2	-34.0	-37.2	0.35		
3.0	42.29	2009.3	2002.2	1997.4	8.09	7.20	6.12	-19.3	-33.5	-35.5	0.31		
3.5	43.85	2030.6	2023.4	2018.4	8.02	7.13	6.07	-18.9	-34.2	-34.8	0.24		
4.0	43.17	2052.6	2045.3	2040.2	7.95	7.06	5.97	-20.1	-34.9	-35.0	0.14		
4.5	43.63	2074.2	2066.9	2062.0	7.92	7.03	5.97	-20.1	-33.5	-34.3	0.08		
5.0	42.71	2096.1	2088.7	2083.6	7.93	7.03	5.96	-19.9	-34.9	-33.8	0.01		
5.5	42.27	2117.5	2110.0	2105.0	7.97	7.08	6.04	-20.5	-35.9	-32.5	0.08		
6.0	40.42	2138.7	2131.2	2126.0	7.92	7.05	6.03	-21.4	-34.4	-32.2	0.14		
6.5	40.10	2159.0	2151.4	2146.3	7.92	7.05	6.07	-21.5	-35.4	-31.0	0.20		
7.0	38.71	2179.2	2171.4	2166.1	7.87	7.03	6.04	-22.3	-34.8	-32.6	0.26		
7.5	37.74	2198.5	2190.8	2185.5	7.80	6.98	6.01	-23.2	-32.4	-32.2	0.31		
8.0	37.15	2217.6	2209.7	2204.2	7.76	6.91	5.95	-22.7	-32.1	-31.9	0.36		
8.5	36.33	2236.1	2228.2	2222.9	7.85	6.97	5.97	-23.4	-32.5	-32.7	0.39		
9.0	36.14	2254.5	2246.4	2241.0	7.82	6.98	5.99	-24.8	-31.6	-33.1	0.43		
9.5	34.91	2272.5	2264.5	2259.0	7.85	6.98	5.98	-25.1	-29.9	-33.7	0.46		
10.0	34.62	2289.9	2281.9	2276.5	7.90	7.05	6.04	-25.5	-30.6	-34.2	0.50		
10.5	33.83	2307.3	2299.2	2293.6	7.90	7.04	6.03	-26.3	-31.4	-35.9	0.53		
11.0	33.42	2324.2	2316.1	2310.7	7.86	6.99	5.98	-27.4	-30.5	-36.5	0.55		
11.5	33.48	2341.1	2332.9	2327.3	7.83	6.97	5.95	-28.0	-29.9	-35.7	0.59		
12.0	32.57	2357.7	2349.6	2344.0	7.81	6.96	5.94	-28.4	-31.0	-38.1	0.61		
12.5	31.98	2373.9	2365.9	2360.4	7.70	6.87	5.85	-29.4	-31.3	-40.9	0.63		
13.0	31.74	2390.1	2381.9	2376.4	7.65	6.79	5.76	-30.8	-30.6	-42.2	0.66		
13.5	30.97	2405.8	2397.7	2392.2	7.63	6.77	5.73	-31.5	-31.0	-43.1	0.67		
14.0	30.93	2421.3	2413.2	2407.7	7.60	6.73	5.68	-31.7	-32.5	-44.1	0.69		
14.5	30.28	2436.8	2428.7	2423.1	7.60	6.70	5.63	-33.3	-34.9	-45.3	0.70		
15.0	29.73	2451.9	2443.8	2438.3	7.64	6.72	5.63	-35.1	-35.7	-45.7	0.71		