

# Voltage Controlled Oscillator

# ROS-2150-1019+

## 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	28.40	1959.6	1948.1	1943.6	5.82	5.55	5.25	-37.8	-32.4	-46.2	0.43	1	-75
0.5	24.45	1973.2	1962.3	1958.0	5.79	5.58	5.33	-37.2	-31.5	-46.5	0.44	10	-100
1.0	22.93	1985.2	1974.5	1970.1	5.75	5.58	5.33	-36.7	-31.4	-46.0	0.42	100	-122
1.5	22.42	1996.6	1986.0	1981.6	5.71	5.57	5.37	-36.7	-30.9	-47.0	0.38	1000	-142
2.0	22.61	2007.8	1997.2	1992.7	5.65	5.55	5.38	-36.2	-31.0	-46.1	0.33		
2.5	23.49	2019.3	2008.5	2003.9	5.59	5.50	5.34	-35.3	-30.4	-45.4	0.30		
3.0	24.66	2031.3	2020.2	2015.5	5.50	5.44	5.25	-35.5	-30.2	-45.0	0.27		
3.5	25.75	2043.9	2032.6	2027.6	5.41	5.36	5.18	-35.9	-29.7	-45.9	0.24		
4.0	26.54	2057.0	2045.4	2040.4	5.31	5.29	5.15	-35.7	-30.4	-45.4	0.19		
4.5	26.33	2070.2	2058.7	2053.5	5.23	5.20	5.12	-35.4	-29.4	-44.8	0.10		
5.0	25.65	2083.3	2071.9	2066.6	5.14	5.13	5.07	-34.9	-29.3	-44.9	0.02		
5.5	24.74	2096.2	2084.7	2079.4	5.03	5.04	4.98	-35.1	-28.9	-45.7	0.13		
6.0	23.46	2108.6	2097.1	2091.7	4.93	4.95	4.90	-35.2	-28.4	-44.6	0.21		
6.5	22.13	2120.4	2108.8	2103.4	4.84	4.87	4.86	-34.5	-29.0	-44.4	0.26		
7.0	20.92	2131.5	2119.9	2114.5	4.73	4.80	4.83	-34.5	-28.5	-44.1	0.28		
7.5	19.60	2142.0	2130.3	2124.9	4.65	4.70	4.73	-34.2	-28.2	-44.3	0.28		
8.0	18.28	2151.8	2140.1	2134.6	4.57	4.62	4.63	-34.0	-28.4	-43.7	0.27		
8.5	17.11	2160.9	2149.3	2143.7	4.52	4.56	4.58	-34.2	-28.1	-43.6	0.25		
9.0	16.09	2169.5	2157.8	2152.2	4.47	4.50	4.51	-34.4	-28.1	-44.0	0.24		
9.5	15.22	2177.5	2165.9	2160.2	4.41	4.46	4.47	-34.4	-28.3	-43.7	0.24		
10.0	14.36	2185.1	2173.5	2167.8	4.35	4.42	4.41	-34.1	-28.8	-43.8	0.24		
10.5	13.48	2192.3	2180.7	2175.0	4.31	4.38	4.36	-33.9	-28.8	-43.7	0.24		
11.0	12.86	2199.0	2187.4	2181.9	4.26	4.33	4.32	-34.0	-28.8	-43.4	0.26		
11.5	12.13	2205.4	2193.8	2188.3	4.24	4.30	4.26	-34.0	-28.7	-42.9	0.27		
12.0	12.13	2211.5	2199.9	2194.4	4.21	4.27	4.22	-33.9	-28.8	-43.5	0.30		