

# Voltage Controlled Oscillator

# ROS-2252C-119+

## 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			
0.00	40.87	1954.3	1949.8	1946.2	-0.45	-1.53	-2.27	-21.7	-21.4	-60.2	1.70	1	-80.74
0.40	36.93	1970.8	1966.1	1962.7	-0.97	-1.59	-2.14	-23.1	-19.9	-59.2	1.40	10	-107.97
1.00	33.86	1993.0	1988.2	1984.8	-1.33	-1.64	-2.05	-23.5	-18.0	-59.2	1.01	100	-129.11
1.50	32.82	2010.0	2005.1	2001.7	-1.44	-1.59	-1.97	-23.2	-17.1	-58.5	0.86	1000	-147.37
2.00	32.19	2026.6	2021.5	2018.0	-1.43	-1.49	-1.97	-22.6	-16.5	-58.7	0.77		
2.50	31.93	2042.8	2037.6	2034.1	-1.35	-1.37	-1.88	-21.2	-16.1	-60.9	0.71		
3.00	31.86	2058.9	2053.6	2050.0	-1.22	-1.27	-1.76	-20.2	-15.3	-63.0	0.67		
3.50	31.66	2074.9	2069.5	2065.8	-1.21	-1.26	-1.64	-19.1	-15.2	-65.1	0.62		
4.00	31.17	2090.9	2085.3	2081.4	-1.18	-1.20	-1.59	-18.1	-15.8	-67.5	0.55		
4.50	30.67	2106.6	2100.9	2096.9	-1.17	-1.18	-1.54	-17.5	-16.8	-55.3	0.47		
5.00	30.19	2122.1	2116.3	2112.1	-1.16	-1.11	-1.48	-17.5	-18.2	-53.0	0.40		
5.40	29.63	2134.3	2128.3	2124.1	-1.10	-1.05	-1.45	-17.0	-19.3	-55.0	0.35		
6.00	28.83	2152.2	2146.1	2141.9	-0.93	-0.88	-1.34	-16.8	-21.0	-63.6	0.29		
6.50	28.36	2166.7	2160.5	2156.3	-0.78	-0.75	-1.16	-16.7	-22.4	-55.9	0.25		
7.00	27.97	2181.0	2174.7	2170.4	-0.65	-0.61	-0.94	-16.7	-23.8	-46.5	0.20		
7.50	27.55	2195.1	2188.7	2184.3	-0.52	-0.48	-0.78	-16.6	-25.1	-43.9	0.16		
8.00	26.96	2209.0	2202.4	2198.0	-0.35	-0.29	-0.62	-16.4	-26.6	-44.4	0.13		
8.50	26.40	2222.6	2215.9	2211.5	-0.19	-0.13	-0.47	-16.4	-27.8	-45.6	0.09		
9.00	25.95	2235.9	2229.1	2224.7	-0.05	0.02	-0.33	-16.5	-29.4	-46.2	0.06		
9.50	25.50	2248.9	2242.1	2237.7	0.06	0.17	-0.20	-16.1	-30.8	-47.7	0.03		
10.00	25.15	2261.8	2254.9	2250.5	0.26	0.33	-0.11	-16.2	-31.9	-48.6	0.00		
10.50	24.74	2274.5	2267.4	2263.0	0.39	0.49	0.09	-16.2	-33.5	-48.5	0.03		
11.00	24.16	2286.9	2279.8	2275.4	0.54	0.60	0.26	-16.1	-34.4	-48.0	0.05		
11.50	23.64	2299.0	2291.9	2287.5	0.65	0.72	0.44	-15.8	-35.5	-47.1	0.05		
12.00	23.08	2310.9	2303.7	2299.4	0.74	0.82	0.56	-15.8	-36.5	-46.0	0.04		
12.50	22.41	2322.5	2315.2	2311.0	0.87	0.94	0.63	-15.7	-37.7	-45.3	0.00		
13.00	21.69	2333.7	2326.4	2322.2	0.95	1.07	0.73	-15.6	-38.3	-45.3	0.06		
13.50	20.80	2344.5	2337.3	2333.1	1.06	1.16	0.78	-15.6	-39.7	-44.4	0.15		
14.00	19.70	2354.9	2347.7	2343.6	1.21	1.30	0.86	-15.5	-39.8	-44.0	0.25		
14.50	18.56	2364.7	2357.5	2353.6	1.35	1.43	0.97	-15.4	-41.1	-43.6	0.38		
15.00	18.56	2374.0	2366.8	2363.0	1.49	1.54	1.10	-15.6	-40.6	-43.3	0.51		

