

# Voltage Controlled Oscillator

ROS-2015+

## 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	28.83	1948.5	1941.3	1932.4	7.29	7.76	7.81	-30.4	-34.0	-39.3	0.48	1	-86.1
0.25	25.07	1955.4	1948.5	1940.1	7.35	7.81	7.87	-29.7	-34.3	-39.7	0.59	10	-108.1
0.50	22.66	1961.4	1954.8	1946.6	7.39	7.86	7.90	-29.3	-34.5	-40.0	0.69	100	-129.6
0.75	21.06	1966.9	1960.4	1952.5	7.42	7.89	7.92	-28.7	-34.6	-40.7	0.77	1000	-149.0
1.00	19.79	1972.1	1965.7	1957.9	7.44	7.90	7.93	-28.2	-34.4	-41.8	0.85		
1.25	18.85	1976.9	1970.6	1962.9	7.42	7.90	7.92	-27.9	-34.0	-42.3	0.91		
1.50	18.29	1981.6	1975.4	1967.7	7.39	7.87	7.91	-27.7	-33.4	-42.5	0.97		
1.75	17.78	1986.1	1979.9	1972.4	7.35	7.82	7.88	-27.7	-33.3	-43.0	1.02		
2.00	17.37	1990.5	1984.4	1976.8	7.32	7.78	7.83	-27.6	-33.1	-43.3	1.05		
2.25	17.01	1994.7	1988.7	1981.2	7.27	7.72	7.78	-27.7	-32.7	-43.3	1.09		
2.50	16.71	1998.9	1993.0	1985.5	7.22	7.67	7.72	-27.9	-32.2	-43.4	1.11		
2.75	16.56	2003.1	1997.1	1989.7	7.12	7.62	7.66	-27.9	-31.6	-43.0	1.13		
3.00	16.75	2007.4	2001.3	1993.8	7.03	7.54	7.61	-28.0	-31.3	-43.1	1.17		
3.25	16.68	2011.6	2005.5	1997.9	6.96	7.44	7.55	-28.1	-31.1	-43.0	1.20		
3.50	16.36	2015.7	2009.6	2002.0	6.89	7.36	7.47	-28.3	-30.8	-43.0	1.19		
3.75	16.22	2019.7	2013.7	2006.1	6.83	7.30	7.39	-28.5	-30.4	-43.2	1.20		
4.00	16.16	2023.8	2017.8	2010.2	6.77	7.24	7.32	-28.8	-30.2	-42.9	1.21		
4.25	16.14	2027.8	2021.8	2014.2	6.69	7.18	7.26	-29.1	-30.1	-42.7	1.22		
4.50	16.20	2031.9	2025.9	2018.2	6.59	7.11	7.20	-29.3	-30.0	-42.5	1.24		
4.75	16.39	2036.1	2029.9	2022.2	6.51	7.02	7.15	-29.7	-29.8	-42.4	1.25		
5.00	16.40	2040.1	2034.0	2026.2	6.44	6.93	7.09	-30.1	-29.5	-42.9	1.27		
5.25	16.25	2044.2	2038.1	2030.2	6.36	6.86	7.01	-30.6	-28.9	-42.9	1.27		
5.50	16.40	2048.3	2042.2	2034.3	6.29	6.79	6.93	-31.2	-28.7	-42.6	1.28		
5.75	16.50	2052.4	2046.3	2038.3	6.21	6.72	6.87	-31.8	-28.6	-42.2	1.30		
6.00	16.63	2056.6	2050.4	2042.4	6.14	6.65	6.80	-32.4	-28.7	-42.0	1.31		