

Voltage Controlled Oscillator

ROS-2000-1619+

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	34.86	1933.3	1926.3	1919.3	2.02	1.13	0.14	-18.6	-29.6	-34.9	0.05	1	-82
0.3	30.40	1941.5	1935.0	1928.7	1.99	1.13	0.11	-18.7	-28.9	-34.4	0.09	10	-106
0.5	27.66	1948.8	1942.6	1936.6	1.99	1.12	0.11	-19.0	-28.7	-33.4	0.18	100	-127
0.8	25.80	1955.5	1949.6	1943.7	2.00	1.12	0.11	-19.1	-29.0	-32.6	0.24	1000	-147
1.0	24.49	1961.9	1956.0	1950.3	2.02	1.13	0.11	-19.2	-29.3	-32.4	0.26		
1.3	23.51	1967.9	1962.1	1956.5	2.04	1.15	0.13	-19.2	-29.2	-32.3	0.29		
1.5	22.79	1973.8	1968.0	1962.5	2.08	1.19	0.15	-19.2	-28.9	-31.8	0.30		
1.8	22.29	1979.4	1973.7	1968.2	2.10	1.23	0.19	-19.1	-28.7	-30.7	0.29		
2.0	21.95	1985.1	1979.3	1973.8	2.12	1.25	0.23	-19.2	-28.8	-30.6	0.30		
2.3	21.76	1990.6	1984.8	1979.3	2.14	1.28	0.26	-19.5	-28.9	-30.7	0.30		
2.5	21.61	1996.1	1990.2	1984.7	2.17	1.31	0.29	-19.9	-28.8	-30.5	0.28		
2.8	21.48	2001.6	1995.6	1990.0	2.20	1.35	0.33	-20.2	-28.6	-30.0	0.26		
3.0	21.32	2007.0	2001.0	1995.4	2.20	1.38	0.38	-20.2	-28.2	-29.5	0.24		
3.3	21.26	2012.4	2006.3	2000.7	2.20	1.39	0.42	-20.2	-27.7	-29.5	0.22		
3.5	21.20	2017.7	2011.6	2005.9	2.22	1.41	0.44	-20.2	-27.8	-29.2	0.18		
3.8	21.16	2023.1	2016.9	2011.2	2.24	1.43	0.46	-20.3	-28.1	-28.6	0.15		
3.9	21.15	2026.3	2020.1	2014.3	2.26	1.45	0.48	-20.3	-28.3	-28.4	0.14		
4.3	21.17	2033.8	2027.5	2021.7	2.31	1.49	0.52	-20.3	-28.2	-28.1	0.10		
4.5	21.20	2039.1	2032.8	2026.9	2.37	1.52	0.56	-20.4	-27.7	-27.7	0.08		
4.8	21.23	2044.5	2038.1	2032.2	2.42	1.56	0.59	-20.7	-27.4	-27.6	0.06		
5.0	21.30	2049.9	2043.4	2037.4	2.46	1.60	0.63	-21.1	-27.3	-27.8	0.04		
5.3	21.43	2055.3	2048.7	2042.7	2.53	1.65	0.67	-21.5	-27.5	-27.5	0.02		
5.5	21.50	2060.7	2054.1	2048.0	2.59	1.71	0.72	-21.8	-28.0	-26.9	0.00		
5.8	21.69	2066.2	2059.5	2053.3	2.63	1.77	0.78	-21.8	-28.3	-27.2	0.02		
6.0	21.95	2071.7	2064.9	2058.7	2.65	1.81	0.84	-21.8	-28.3	-27.5	0.04		

