

Voltage Controlled Oscillator

ROS-EDR5101

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			
0.3	20.37	1979.0	1968.2	1962.2	-0.46	-0.01	0.14	-22.9	-35.5	-43.5	0.41	1	-73
0.5	19.45	1983.9	1973.0	1967.0	-0.45	-0.01	0.10	-23.2	-36.1	-43.1	0.43	10	-98
0.8	19.26	1988.7	1977.8	1971.8	-0.46	-0.02	0.06	-23.4	-36.1	-42.4	0.45	100	-119
1.0	19.53	1993.6	1982.7	1976.5	-0.46	-0.03	0.03	-23.6	-35.9	-42.8	0.47	1000	-144
1.3	20.19	1998.8	1987.8	1981.5	-0.49	-0.04	0.00	-23.7	-35.7	-42.4	0.50		
1.5	21.39	2004.3	1993.1	1986.9	-0.54	-0.07	-0.03	-23.7	-35.3	-42.4	0.53		
1.8	23.58	2010.2	1999.0	1992.6	-0.58	-0.10	-0.05	-23.7	-34.9	-42.7	0.58		
2.0	26.10	2017.0	2005.5	1998.9	-0.61	-0.11	-0.05	-23.7	-35.5	-41.9	0.61		
2.3	28.90	2024.6	2012.8	2005.8	-0.60	-0.11	-0.03	-23.9	-35.6	-41.3	0.65		
2.5	32.07	2033.0	2020.8	2013.4	-0.56	-0.08	-0.08	-24.2	-35.8	-40.8	0.62		
2.8	34.34	2042.0	2029.4	2021.7	-0.53	-0.04	-0.03	-24.4	-35.3	-40.6	0.49		
3.0	35.10	2050.8	2038.1	2030.4	-0.58	-0.05	0.16	-24.3	-35.3	-40.2	0.26		
3.3	33.99	2059.5	2046.6	2039.1	-0.58	-0.06	0.29	-24.0	-36.1	-40.9	0.00		
3.5	32.91	2067.5	2054.9	2047.5	-0.55	-0.08	0.35	-23.9	-35.8	-41.3	-0.25		
3.8	30.52	2074.9	2062.5	2055.3	-0.54	-0.03	0.36	-24.2	-35.8	-41.3	-0.42		
4.0	26.82	2081.5	2069.2	2062.3	-0.51	0.00	0.30	-24.3	-35.6	-42.0	-0.51		
4.3	23.19	2087.1	2075.0	2068.3	-0.48	0.03	0.23	-24.7	-36.3	-42.6	-0.50		
4.5	19.43	2091.9	2079.8	2073.2	-0.46	0.05	0.20	-24.9	-36.4	-42.5	-0.38		
4.8	15.60	2095.8	2083.7	2077.0	-0.43	0.07	0.19	-24.8	-37.0	-42.5	-0.18		
5.0	11.79	2098.6	2086.7	2080.0	-0.40	0.08	0.18	-24.8	-36.7	-42.0	0.05		
5.3	8.48	2100.6	2088.8	2082.1	-0.37	0.09	0.18	-24.9	-36.5	-41.9	0.26		
5.5	5.92	2102.0	2090.3	2083.6	-0.36	0.12	0.18	-25.0	-36.3	-42.4	0.43		
5.8	4.14	2102.9	2091.3	2084.6	-0.36	0.09	0.18	-24.9	-36.6	-41.8	0.54		
6.0	2.98	2103.6	2092.1	2085.4	-0.37	0.09	0.18	-24.8	-36.5	-42.0	0.60		
6.3	2.25	2104.1	2092.6	2086.0	-0.36	0.09	0.17	-24.9	-36.5	-42.2	0.64		
6.5	1.79	2104.5	2093.1	2086.4	-0.36	0.10	0.17	-24.9	-36.5	-42.2	0.67		
6.8	1.49	2104.8	2093.5	2086.8	-0.36	0.10	0.17	-24.9	-36.8	-42.0	0.68		
7.0	1.27	2105.1	2093.8	2087.2	-0.36	0.10	0.17	-25.0	-36.6	-42.2	0.69		