

Voltage Controlled Oscillator

ROS-EDR4770

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			
0.5	18.00	1800.7	1792.2	1788.6	1.41		-1.09	-27.2	-22.8	-44.3	0.00	1	-68
1.0	16.40	1808.8	1800.4	1796.6	1.46	0.02	-1.21	-28.1	-23.0	-42.9	0.06	10	-94
1.5	16.30	1817.3	1808.5	1804.3	1.55	0.02	-1.25	-28.7	-22.9	-42.3	0.00	100	-116
2.0	16.90	1826.6	1817.0	1812.5	1.68	0.08	-1.24	-28.8	-23.0	-41.5	0.06	1000	-137
2.5	18.00	1836.4	1826.0	1821.2	1.81	0.18	-1.17	-29.2	-22.7	-40.1	-0.06		
3.0	20.00	1846.7	1836.0	1830.7	1.73	0.30	-1.06	-29.8	-23.0	-38.9	0.00		
3.5	20.50	1856.8	1846.2	1840.4	1.54	0.39	-0.89	-30.5	-23.0	-39.3	-0.06		
4.0	20.90	1867.3	1856.6	1850.6	1.28	0.49	-0.85	-31.4	-22.8	-39.0	-0.06		
4.5	21.20	1877.6	1867.3	1860.4	1.09	0.54	-0.99	-31.9	-22.8	-38.7	-0.13		
5.0	21.00	1887.7	1877.8	1870.1	0.98	0.52	-1.17	-32.6	-22.8	-38.5	-0.19		
5.5	20.90	1898.1	1888.2	1879.6	0.96	0.48	-1.31	-33.2	-22.7	-38.6	-0.19		
6.0	20.20	1908.5	1898.3	1888.8	0.98	0.39	-1.34	-33.9	-22.3	-38.2	-0.19		
6.5	18.70	1918.7	1907.7	1898.0	1.12	0.29	-1.34	-34.7	-21.9	-37.3	-0.19		
7.0	17.90	1928.5	1916.6	1907.1	1.19	0.18	-1.25	-35.5	-21.6	-37.5	-0.26		
7.5	17.40	1937.9	1925.3	1916.2	1.10	0.01	-1.15	-36.2	-21.6	-38.3	-0.26		
8.0	17.20	1947.1	1933.9	1924.9	0.96	-0.15	-1.03	-37.2	-21.2	-37.6	-0.32		
8.5	16.80	1956.2	1942.3	1933.4	0.76	-0.30	-0.98	-38.0	-20.7	-37.6	-0.38		
9.0	16.80	1964.5	1950.7	1941.6	0.67	-0.42	-1.02	-38.2	-20.4	-37.3	-0.38		
9.5	16.30	1972.6	1958.8	1949.4	0.67	-0.52	-1.09	-38.8	-20.5	-37.3	-0.38		
10.0	15.10	1980.9	1966.3	1957.2	0.71	-0.58	-1.22	-38.8	-20.6	-38.1	-0.32		
10.5	14.50	1989.0	1973.6	1964.6	0.78	-0.63	-1.27	-39.3	-20.3	-38.0	-0.38		
11.0	14.50	1997.1	1980.8	1971.7	0.84	-0.63	-1.31	-39.9	-20.1	-38.5	-0.45		
11.5	14.20	2004.5	1987.9	1978.9	0.79	-0.61	-1.32	-40.4	-19.8	-38.3	-0.45		
12.0	14.30	2011.5	1995.1	1985.9	0.66	-0.66	-1.24	-40.7	-19.5	-38.9	-0.38		
12.5	14.20	2018.2	2002.2	1993.0	0.53	-0.76	-1.10	-40.9	-19.5	-40.2	-0.45		
13.0	13.80	2024.8	2009.1	2000.1	0.40	-0.84	-0.96	-41.1	-19.6	-40.1	-0.38		
13.5	12.80	2031.3	2015.5	2006.5	0.29	-0.87	-0.92	-41.4	-19.6	-40.2	-0.45		
14.0	12.30	2038.0	2021.6	2012.8	0.26	-0.87	-0.99	-40.8	-19.7	-39.6	-0.38		