

Voltage Controlled Oscillator

ROS-EDR5310

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	38.02	1768.8	1763.6	1758.3	2.29	1.90	0.23	-16.6	-35.2	-37.6	-0.09	1	-81
0.5	35.15	1777.5	1772.4	1767.2	2.39	1.89	0.25	-16.3	-35.2	-37.7	-0.08	10	-103
0.8	33.78	1786.0	1780.8	1775.5	2.41	1.76	0.23	-15.8	-35.5	-37.4	-0.06	100	-123
1.0	32.78	1794.4	1789.0	1783.6	2.41	1.63	0.34	-15.4	-36.0	-37.0	-0.05	1000	-142
1.3	32.77	1802.7	1797.2	1791.7	2.41	1.75	0.39	-15.5	-36.8	-37.7	-0.05		
1.5	33.18	1811.1	1805.5	1799.9	2.30	1.76	0.42	-15.7	-38.3	-38.5	-0.04		
1.8	33.81	1819.6	1813.9	1808.1	2.35	1.75	0.44	-15.9	-38.7	-39.2	-0.04		
2.0	34.07	1828.2	1822.5	1816.4	2.43	1.77	0.37	-15.9	-39.7	-39.6	-0.04		
2.3	34.82	1837.2	1831.2	1824.8	2.45	1.71	0.41	-15.8	-41.4	-38.9	-0.03		
2.5	35.30	1846.3	1840.0	1833.5	2.42	1.58	0.51	-15.5	-41.0	-38.3	-0.04		
2.8	36.23	1855.5	1849.1	1842.6	2.24	1.73	0.52	-15.9	-40.3	-38.5	-0.05		
3.0	37.20	1864.9	1858.4	1851.7	2.27	1.77	0.51	-16.3	-39.0	-38.6	-0.06		
3.3	38.49	1874.5	1868.0	1860.9	2.33	1.81	0.41	-16.9	-37.4	-38.2	-0.08		
3.5	38.48	1884.2	1877.6	1870.3	2.33	1.85	0.42	-17.4	-35.9	-38.2	-0.10		
3.8	39.00	1894.2	1887.3	1879.9	2.33	1.83	0.48	-17.8	-35.3	-38.3	-0.13		
4.0	39.28	1904.1	1897.2	1889.7	2.30	1.73	0.49	-18.0	-34.0	-38.2	-0.16		
4.3	39.43	1914.0	1907.0	1899.6	2.39	1.89	0.51	-18.5	-33.3	-38.8	-0.20		
4.5	40.14	1924.0	1917.1	1909.4	2.39	2.02	0.48	-19.3	-33.3	-39.5	-0.24		
4.8	39.54	1934.0	1926.9	1919.2	2.32	2.09	0.51	-19.5	-32.8	-38.7	-0.29		
5.0	39.22	1943.9	1936.7	1928.9	2.22	2.04	0.46	-19.5	-32.4	-38.7	-0.33		
5.3	38.83	1953.6	1946.5	1938.8	2.19	1.81	0.36	-18.1	-31.7	-38.9	-0.38		
5.5	38.32	1963.3	1956.0	1948.5	2.26	1.85	0.28	-17.7	-31.6	-39.8	-0.43		
5.8	38.14	1972.9	1965.6	1958.0	2.26	2.00	0.15	-17.5	-32.2	-40.0	-0.48		
6.0	38.26	1982.4	1975.1	1967.5	2.21	2.02	0.09	-17.8	-32.1	-40.4	-0.53		
6.3	36.91	1991.9	1984.4	1976.9	2.14	2.08	-0.06	-17.5	-32.2	-41.4	-0.60		
6.5	36.03	2001.0	1993.4	1986.3	2.27	2.05	-0.31	-17.2	-32.2	-41.3	-0.69		
6.8	35.28	2009.8	2002.2	1995.7	2.41	1.92	-0.61	-16.9	-32.3	-41.4	-0.79		
7.0	34.84	2018.2	2010.9	2004.9	2.63	2.03	-0.88	-17.1	-33.1	-44.1	-0.89		