

Voltage Controlled Oscillator

ROS-EDR5316/1

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	37.32	1785.7	1779.8	1773.6	1.18	0.50	-2.07	-15.6	-29.7	-37.1	-0.03	1	-83
0.5	34.32	1794.4	1788.4	1782.4	0.93	0.39	-2.00	-15.6	-28.2	-35.4	-0.02	10	-102
0.8	33.19	1802.6	1796.7	1790.7	0.75	0.41	-1.99	-16.2	-27.7	-36.0	-0.01	100	-125
1.0	32.72	1810.8	1804.9	1798.7	0.89	0.38	-2.12	-17.5	-28.5	-40.1	-0.01	1000	-144
1.3	32.78	1819.0	1813.1	1806.5	0.95	0.37	-2.06	-19.1	-29.2	-45.7	0.00		
1.5	32.62	1827.4	1821.2	1814.4	0.90	0.36	-1.95	-20.0	-31.4	-70.8	0.01		
1.8	33.03	1835.9	1829.5	1822.5	0.81	0.27	-1.93	-19.8	-33.4	-49.8	0.01		
2.0	33.33	1844.4	1837.8	1830.8	0.64	0.19	-1.94	-19.1	-36.6	-44.9	0.01		
2.3	34.05	1853.1	1846.3	1839.1	0.70	0.33	-1.98	-18.4	-39.1	-41.6	0.01		
2.5	35.07	1862.2	1855.1	1847.6	0.76	0.42	-2.02	-17.1	-44.7	-41.3	0.01		
2.8	36.54	1871.4	1864.2	1856.3	0.85	0.52	-1.94	-16.1	-48.7	-41.3	0.01		
3.0	36.84	1880.8	1873.4	1865.3	0.95	0.64	-1.90	-15.5	-41.1	-40.7	0.00		
3.3	37.40	1890.4	1882.8	1874.6	0.90	0.67	-1.86	-15.3	-35.6	-39.9	0.00		
3.5	37.94	1900.0	1892.3	1884.0	0.71	0.53	-1.81	-15.5	-32.2	-38.8	-0.01		
3.8	38.55	1909.8	1901.9	1893.5	0.83	0.64	-1.90	-16.4	-32.6	-39.4	-0.03		
4.0	39.49	1919.8	1911.8	1903.0	0.79	0.70	-2.02	-18.3	-37.4	-43.4	-0.05		
4.3	39.59	1929.7	1921.7	1912.7	0.67	0.79	-1.94	-20.2	-48.1	-46.2	-0.07		
4.5	39.38	1939.6	1931.5	1922.5	0.68	0.88	-1.94	-20.9	-39.5	-47.4	-0.10		
4.8	39.25	1949.6	1941.3	1932.3	0.77	0.75	-2.07	-19.7	-34.6	-46.4	-0.12		
5.0	38.96	1959.5	1951.1	1942.0	0.79	0.68	-2.17	-19.3	-32.6	-44.5	-0.15		
5.3	38.92	1969.5	1960.8	1951.7	0.73	0.75	-2.19	-18.2	-31.9	-42.3	-0.18		
5.5	38.88	1979.3	1970.5	1961.3	0.77	0.72	-2.18	-17.5	-30.8	-41.5	-0.20		
5.8	38.89	1988.9	1980.2	1971.0	0.61	0.71	-2.31	-17.1	-28.5	-40.2	-0.22		
6.0	37.84	1998.5	1989.7	1980.6	0.55	0.65	-2.43	-17.3	-26.8	-39.5	-0.25		
6.3	37.10	2008.0	1999.0	1989.9	0.60	0.48	-2.67	-17.6	-27.3	-39.8	-0.29		
6.5	36.79	2017.4	2008.2	1999.1	0.59	0.48	-2.94	-18.8	-29.5	-43.7	-0.32		
6.8	36.53	2026.7	2017.3	2008.4	0.40	0.46	-3.19	-19.8	-33.6	-47.5	-0.35		
7.0	36.53	2035.8	2026.4	2017.6	0.41	0.42	-3.50	-20.5	-39.3	-52.8	-0.39		