

Voltage Controlled Oscillator

ROS-EDR5530

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	23.17	1825.8	1821.4	1817.1	0.38	0.16	-1.05	-19.4	-21.0	-43.8	-0.08	1	-85
1.0	19.24	1835.2	1831.0	1826.8	0.31	0.03	-1.16	-18.9	-20.3	-41.5	-0.07	10	-109
1.5	17.16	1843.8	1839.6	1835.5	0.19	-0.12	-1.18	-18.8	-20.2	-41.5	-0.07	100	-130
2.0	16.06	1851.9	1847.6	1843.6	0.09	-0.15	-1.22	-18.8	-20.4	-42.8	-0.06	1000	-148
2.5	15.22	1859.4	1855.2	1851.3	-0.03	-0.22	-1.26	-18.7	-20.8	-42.5	-0.06		
3.0	14.85	1866.8	1862.7	1858.6	-0.21	-0.30	-1.28	-18.7	-20.2	-43.5	-0.06		
3.5	14.52	1874.0	1869.9	1865.9	-0.18	-0.33	-1.38	-19.0	-20.3	-43.0	-0.06		
4.0	14.20	1881.1	1877.0	1872.9	-0.18	-0.32	-1.55	-18.8	-20.4	-44.6	-0.06		
4.5	14.05	1888.2	1884.0	1879.9	-0.24	-0.37	-1.64	-18.7	-20.8	-46.1	-0.06		
5.0	14.00	1895.3	1891.0	1886.8	-0.36	-0.51	-1.67	-18.9	-21.5	-46.2	-0.06		
5.5	14.09	1902.4	1898.1	1893.9	-0.48	-0.60	-1.72	-18.8	-21.9	-46.7	-0.06		
6.0	14.18	1909.5	1905.2	1901.0	-0.65	-0.62	-1.83	-18.8	-22.7	-47.1	-0.06		
6.5	14.40	1916.8	1912.4	1908.1	-0.81	-0.71	-1.90	-18.8	-22.8	-48.2	-0.05		
7.0	14.58	1924.1	1919.7	1915.3	-1.01	-0.90	-2.15	-18.9	-23.0	-50.8	-0.05		
7.5	14.26	1931.2	1926.8	1922.4	-1.41	-1.18	-2.37	-19.1	-23.7	-53.0	-0.04		
8.0	13.07	1937.7	1933.3	1928.9	-0.90	-0.97	-2.22	-19.0	-23.9	-52.6	-0.05		
8.5	16.14	1946.3	1941.4	1936.8	-0.15	-0.24	-1.47	-18.4	-25.0	-50.5	-0.08		
9.0	17.11	1954.9	1950.0	1945.4	-0.25	-0.40	-1.43	-18.8	-25.8	-51.7	-0.08		