

Voltage Controlled Oscillator

ROS-ED9690/1

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			
0.2	30.89	1885.7	1877.3	1870.8	-0.11	0.44	0.29	-20.1	-24.9	-30.6	0.46	1	-84
0.3	30.78	1890.3	1882.0	1875.4	0.01	0.51	0.37	-20.0	-24.5	-30.9	0.48	10	-108
0.5	31.01	1895.0	1886.6	1880.0	0.12	0.61	0.44	-20.0	-24.4	-30.9	0.46	100	-128
0.6	31.18	1899.6	1891.3	1884.6	0.21	0.70	0.52	-20.0	-24.5	-31.8	0.48	1000	-145
0.8	31.69	1904.3	1896.0	1889.3	0.32	0.81	0.61	-20.1	-24.6	-31.7	0.46		
0.9	32.21	1909.1	1900.9	1894.2	0.41	0.89	0.71	-20.3	-24.5	-32.3	0.48		
1.1	32.98	1914.1	1905.8	1899.1	0.47	0.98	0.78	-20.6	-24.5	-32.4	0.41		
1.2	34.17	1919.3	1911.0	1904.2	0.54	1.06	0.88	-20.9	-24.5	-32.5	0.43		
1.4	35.15	1924.7	1916.2	1909.4	0.58	1.12	0.95	-21.4	-24.1	-32.2	0.43		
1.5	36.53	1930.2	1921.7	1914.8	0.62	1.18	1.03	-21.9	-24.2	-32.2	0.43		
1.7	38.08	1936.0	1927.4	1920.4	0.63	1.22	1.08	-22.4	-24.2	-31.9	0.43		
1.8	39.19	1942.0	1933.3	1926.2	0.62	1.26	1.12	-23.0	-24.3	-32.7	0.40		
2.0	40.36	1948.2	1939.3	1932.3	0.62	1.25	1.16	-23.3	-24.7	-33.5	0.38		
2.1	41.90	1954.6	1945.6	1938.4	0.60	1.27	1.16	-23.6	-24.2	-34.4	0.35		
2.3	42.91	1961.1	1952.1	1944.8	0.57	1.25	1.19	-24.4	-24.2	-34.2	0.29		
2.4	44.25	1967.9	1958.7	1951.4	0.48	1.20	1.18	-25.1	-25.0	-34.6	0.24		
2.6	45.23	1974.8	1965.5	1958.1	0.44	1.18	1.12	-25.9	-25.5	-35.2	0.20		
2.7	46.27	1981.9	1972.4	1964.9	0.40	1.14	1.11	-26.7	-25.1	-35.0	0.10		
2.9	47.39	1989.0	1979.5	1971.9	0.31	1.04	1.08	-27.3	-25.2	-34.5	0.05		
3.0	47.84	1996.3	1986.7	1979.0	0.27	1.02	0.99	-28.1	-25.9	-35.4	0.10		
3.2	48.40	2003.6	1994.0	1986.3	0.19	0.94	0.96	-28.8	-25.6	-36.3	0.20		
3.3	48.63	2011.0	2001.3	1993.6	0.18	0.90	0.89	-29.4	-25.4	-37.2	0.26		
3.5	49.33	2018.5	2008.7	2000.9	0.14	0.85	0.85	-29.5	-25.9	-38.4	0.40		
3.6	49.53	2026.0	2016.1	2008.3	0.15	0.84	0.81	-30.8	-25.5	-38.4	0.50		
3.8	49.53	2033.5	2023.5	2015.7	0.20	0.84	0.81	-30.7	-25.4	-39.3	0.66		
3.9	49.60	2041.0	2031.0	2023.1	0.25	0.86	0.81	-31.2	-25.1	-39.5	0.74		
4.1	49.53	2048.5	2038.4	2030.5	0.34	0.94	0.83	-31.4	-24.6	-40.1	0.90		
4.2	49.33	2056.0	2045.8	2037.9	0.40	1.01	0.92	-31.7	-24.7	-39.7	1.00		
4.4	49.13	2063.5	2053.2	2045.2	0.52	1.10	0.99	-31.9	-24.4	-39.9	1.10		
4.5	49.07	2070.9	2060.5	2052.5	0.60	1.17	1.04	-31.9	-24.2	-38.9	1.26		
4.7	48.73	2078.2	2067.8	2059.8	0.73	1.31	1.16	-31.8	-24.1	-38.4	1.42		
4.8	47.93	2085.4	2075.0	2067.0	0.80	1.38	1.22	-31.7	-24.1	-38.1	1.56		
5.0	47.47	2092.6	2082.2	2074.1	0.90	1.45	1.37	-31.6	-23.8	-37.4	1.64		
5.1	47.00	2099.7	2089.2	2081.1	0.93	1.59	1.43	-31.2	-23.5	-36.5	1.74		
5.3	46.47	2106.7	2096.2	2088.1	0.98	1.62	1.55	-31.3	-23.7	-35.6	1.84		
5.4	45.87	2113.7	2103.1	2094.9	1.05	1.69	1.60	-31.3	-23.7	-34.9	1.94		
5.6	45.27	2120.5	2109.8	2101.7	1.06	1.74	1.64	-31.1	-23.4	-34.5	2.04		
5.7	44.47	2127.2	2116.5	2108.4	1.07	1.77	1.69	-31.5	-23.5	-34.6	2.12		
5.9	44.13	2133.8	2123.1	2114.9	1.02	1.76	1.73	-31.3	-23.5	-34.5	2.20		
6.0	43.20	2140.4	2129.6	2121.5	0.98	1.76	1.73	-31.2	-23.6	-34.7	2.26		