

Voltage Controlled Oscillator

ROS-EDR5098

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	53.16	1822.4	1807.1	1795.6	4.65	4.52	3.35	-35.5	-34.8	-53.8	0.70	1	-70
1.0	44.23	1843.1	1829.2	1816.9	4.79	4.58	3.50	-34.9	-34.5	-54.8	0.88	10	-94
1.5	39.62	1862.1	1849.1	1835.5	4.84	4.65	3.65	-35.5	-34.8	-54.6	1.01	100	-117
2.0	36.89	1880.7	1867.5	1852.9	4.85	4.68	3.73	-35.1	-36.0	-51.0	1.11	1000	-137
2.5	34.74	1898.0	1884.9	1870.1	4.92	4.73	3.76	-36.0	-35.3	-49.5	1.17		
3.0	32.82	1914.1	1901.3	1887.2	4.99	4.80	3.80	-35.9	-36.2	-47.8	1.17		
3.5	31.38	1929.5	1917.0	1903.4	5.10	4.87	3.87	-36.1	-37.2	-44.5	1.18		
4.0	30.71	1944.9	1932.3	1918.7	5.14	4.94	3.96	-37.7	-37.1	-41.8	1.14		
4.5	30.17	1960.8	1947.4	1933.7	5.15	5.02	4.06	-37.0	-38.4	-42.2	1.13		
5.0	30.48	1977.4	1962.7	1949.1	5.13	5.07	4.10	-38.1	-37.9	-40.9	1.12		
5.5	31.10	1994.2	1978.2	1965.3	5.12	5.11	4.12	-39.4	-39.2	-38.6	1.14		
6.0	32.21	2010.9	1994.3	1982.1	5.11	5.13	4.11	-39.9	-39.5	-38.1	1.16		
6.5	33.56	2028.0	2011.1	1999.0	5.17	5.16	4.13	-41.5	-41.0	-38.5	1.25		
7.0	35.35	2045.3	2028.8	2016.1	5.16	5.17	4.15	-41.5	-42.5	-39.1	1.31		
7.5	36.63	2063.1	2047.1	2033.7	5.19	5.18	4.19	-43.6	-42.6	-39.8	1.42		
8.0	38.04	2081.5	2066.1	2051.6	5.21	5.20	4.21	-44.2	-43.6	-40.4	1.51		
8.5	38.70	2100.6	2085.4	2070.3	5.24	5.25	4.25	-47.8	-45.6	-41.7	1.57		
9.0	38.89	2120.1	2104.9	2089.6	5.22	5.31	4.27	-52.6	-46.3	-39.7	1.61		
9.5	39.28	2140.1	2124.5	2109.4	5.24	5.36	4.29	-55.3	-48.0	-39.3	1.62		
10.0	39.52	2161.2	2144.3	2129.8	5.23	5.40	4.30	-48.8	-49.3	-39.1	1.57		
10.5	40.78	2182.9	2164.7	2150.8	5.25	5.39	4.29	-42.6	-49.6	-38.9	1.50		
11.0	42.07	2203.8	2185.7	2172.8	5.30	5.36	4.29	-39.4	-50.5	-38.6	1.39		
11.5	43.27	2224.5	2207.4	2194.1	5.21	5.29	4.35	-37.2	-50.5	-38.8	1.26		
12.0	43.73	2246.5	2229.2	2214.7	5.15	5.23	4.32	-35.3	-49.6	-41.0	1.09		