

Voltage Controlled Oscillator

ROS-ED9335/1

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			
0.6	23.34	1729.0	1712.5	1699.3	1.07	0.57	-0.07	-22.5	-23.4	-45.8	1.71	1	-74
1.2	20.58	1741.1	1724.8	1711.9	1.10	0.72	0.04	-22.8	-23.9	-46.0	1.64	10	-98
1.8	19.69	1752.9	1736.6	1724.0	1.11	0.77	0.17	-23.0	-23.4	-46.2	1.57	100	-118
2.4	19.51	1764.5	1748.3	1735.9	1.09	0.78	0.19	-23.1	-23.4	-44.8	1.48	1000	-134
3.0	19.82	1776.3	1760.2	1748.1	1.06	0.75	0.17	-23.3	-23.5	-45.9	1.39		
3.6	20.70	1788.6	1772.6	1760.8	0.92	0.68	0.10	-23.4	-23.2	-45.5	1.32		
4.2	21.90	1801.4	1785.8	1774.2	0.78	0.58	0.00	-23.0	-22.7	-45.3	1.24		
4.8	23.76	1815.2	1800.0	1788.7	0.55	0.36	-0.20	-22.8	-23.1	-45.3	1.20		
5.4	26.06	1830.3	1815.7	1804.4	0.39	0.11	-0.43	-22.4	-23.6	-45.2	1.23		
6.0	28.39	1847.5	1832.7	1821.2	0.35	-0.07	-0.67	-21.8	-24.5	-45.3	1.28		
6.6	30.82	1866.9	1851.2	1839.4	0.44	-0.07	-0.83	-21.1	-25.3	-45.4	1.31		
7.2	32.73	1887.5	1870.8	1858.7	0.76	0.02	-0.81	-21.3	-26.5	-45.0	1.36		
7.8	34.25	1908.7	1891.4	1879.1	1.08	0.24	-0.69	-20.7	-27.2	-44.9	1.36		
8.4	35.60	1930.4	1912.8	1900.3	1.30	0.55	-0.48	-19.8	-27.6	-45.4	1.40		
9.0	36.42	1952.4	1934.6	1922.0	1.36	0.67	-0.26	-19.1	-28.3	-44.9	1.40		
9.6	36.91	1974.5	1956.8	1944.1	1.22	0.68	-0.20	-18.6	-29.0	-44.4	1.41		
10.2	37.36	1996.8	1979.2	1966.5	1.07	0.50	-0.28	-18.1	-29.5	-46.1	1.38		
10.8	37.63	2019.2	2001.8	1989.0	0.98	0.34	-0.48	-17.8	-30.8	-45.4	1.37		
11.4	37.67	2041.5	2024.4	2011.7	1.06	0.29	-0.58	-17.1	-31.7	-46.4	1.38		
12.0	37.92	2064.1	2047.1	2034.5	1.31	0.43	-0.53	-16.9	-32.7	-44.4	1.35		
12.6	38.08	2086.7	2070.0	2057.4	1.58	0.72	-0.31	-16.4	-33.1	-45.0	1.35		
13.2	37.97	2109.2	2092.7	2080.2	1.73	1.02	0.06	-16.4	-33.9	-46.2	1.33		
13.8	37.93	2131.8	2115.5	2103.1	1.74	1.15	0.32	-16.1	-34.4	-46.4	1.31		
14.4	37.52	2154.1	2138.0	2125.7	1.55	1.10	0.41	-15.8	-34.2	-46.1	1.28		
15.0	36.90	2176.0	2160.1	2147.9	1.28	0.93	0.34	-15.7	-35.6	-45.3	1.26		
15.6	36.18	2197.5	2181.9	2169.6	1.16	0.71	0.15	-15.4	-36.4	-45.7	1.26		
16.2	34.93	2218.3	2202.8	2190.7	1.33	0.70	0.03	-15.4	-37.6	-44.2	1.22		
16.8	33.68	2238.4	2223.0	2210.9	1.56	0.92	0.19	-15.3	-38.5	-43.1	1.17		
17.4	32.03	2257.6	2242.2	2230.1	1.81	1.14	0.46	-15.4	-39.9	-44.3	1.13		
18.0	29.88	2275.5	2260.2	2248.0	1.96	1.44	0.77	-15.4	-42.1	-43.0	1.08		
18.6	27.65	2292.2	2276.8	2264.5	1.98	1.60	1.01	-15.5	-42.9	-41.5	1.03		
19.2	24.85	2307.2	2291.7	2279.4	1.95	1.64	1.18	-15.6	-45.0	-41.7	0.99		
19.8	21.73	2320.4	2304.7	2292.3	1.85	1.62	1.20	-15.6	-46.2	-40.7	0.95		
20.4	18.75	2331.8	2316.0	2303.4	1.76	1.59	1.20	-15.7	-46.4	-40.4	0.94		
21.0	15.78	2341.4	2325.4	2312.8	1.65	1.54	1.17	-15.6	-46.4	-39.5	0.97		
21.6	13.17	2349.5	2333.3	2320.6	1.51	1.44	1.16	-15.5	-46.1	-38.3	1.02		
22.2	11.00	2356.2	2339.9	2327.1	1.41	1.39	1.14	-15.3	-46.3	-38.9	1.08		