

Voltage Controlled Oscillator

ROS-ED9718A/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			
0.1	74.67	1990.9	1970.1	1956.2	-0.36	0.21	0.29	-32.8	-38.0	-39.4	2.26	1	-76
0.3	65.57	1998.7	1978.3	1964.3	-0.22	0.08	0.23	-33.0	-38.0	-38.8	1.63	10	-100
0.4	60.75	2006.5	1985.9	1971.9	-0.45	0.17	0.10	-32.4	-37.8	-38.5	1.20	100	-120
0.5	57.97	2013.9	1993.1	1979.0	-0.33	-0.01	-0.02	-32.2	-36.2	-39.0	0.93	1000	-140
0.6	55.16	2020.7	2000.0	1985.9	-0.39	0.19	0.07	-31.8	-35.8	-37.4	0.76		
0.8	53.20	2027.3	2006.7	1992.4	-0.37	0.00	-0.07	-31.8	-35.9	-38.0	0.50		
0.9	51.92	2033.8	2013.2	1998.9	-0.31	0.14	0.09	-31.8	-34.7	-38.0	0.40		
1.0	50.88	2040.3	2019.5	2005.1	-0.28	0.09	-0.09	-31.2	-34.1	-36.8	0.20		
1.1	50.16	2046.6	2025.8	2011.2	-0.24	0.12	-0.07	-31.1	-33.7	-37.1	0.06		
1.3	49.20	2052.9	2032.0	2017.2	-0.16	0.15	0.06	-31.4	-33.2	-37.4	0.04		
1.4	48.64	2059.0	2038.0	2023.2	-0.12	0.26	0.04	-31.1	-32.7	-36.8	0.04		
1.5	47.76	2065.1	2044.0	2029.0	-0.23	0.31	0.09	-31.1	-32.0	-36.9	0.14		
1.6	46.64	2071.2	2049.8	2034.8	-0.10	0.34	0.13	-31.1	-31.8	-36.9	0.26		
1.8	47.12	2077.2	2055.7	2040.6	-0.06	0.41	0.19	-31.2	-31.5	-37.2	0.34		
1.9	46.88	2083.2	2061.6	2046.4	-0.30	0.46	0.25	-30.7	-31.0	-38.8	0.40		
2.0	47.20	2089.2	2067.5	2052.2	-0.10	0.37	0.29	-30.8	-30.8	-42.3	0.50		
2.1	46.80	2095.3	2073.3	2057.9	-0.14	0.54	0.41	-31.1	-30.6	-41.9	0.50		
2.3	46.64	2101.2	2079.2	2063.6	-0.28	0.55	0.32	-31.0	-30.2	-39.1	0.60		
2.4	46.96	2107.2	2085.0	2069.4	-0.27	0.34	0.47	-30.8	-29.5	-38.1	0.60		
2.5	46.56	2113.2	2090.9	2075.1	-0.36	0.56	0.52	-30.8	-29.3	-37.2	0.70		
2.6	46.80	2119.1	2096.7	2080.8	-0.39	0.53	0.53	-31.1	-29.4	-34.4	0.76		
2.8	46.64	2125.0	2102.5	2086.5	-0.47	0.41	0.32	-30.9	-28.8	-33.7	0.72		
2.9	46.72	2131.0	2108.4	2092.3	-0.51	0.37	0.53	-30.7	-28.7	-34.2	0.72		
3.0	46.24	2136.9	2114.2	2098.0	-0.42	0.34	0.38	-30.9	-27.3	-34.3	0.76		
3.1	46.16	2142.8	2119.9	2103.6	-0.58	0.32	0.41	-30.9	-27.2	-33.8	0.72		
3.3	46.32	2148.7	2125.7	2109.3	-0.45	0.26	0.38	-30.7	-26.9	-33.7	0.64		
3.4	45.76	2154.5	2131.4	2114.9	-0.53	0.22	0.34	-30.4	-26.9	-34.0	0.66		
3.5	45.60	2160.3	2137.1	2120.5	-0.54	0.32	0.32	-30.6	-26.9	-34.3	0.56		
3.6	44.80	2166.1	2142.7	2126.0	-0.52	0.17	0.26	-30.5	-27.3	-33.6	0.56		
3.8	44.64	2171.8	2148.3	2131.5	-0.36	0.31	0.23	-31.0	-27.0	-33.6	0.38		
3.9	44.00	2177.4	2153.8	2136.9	-0.44	0.24	0.33	-30.6	-27.1	-34.3	0.38		
4.0	43.36	2182.9	2159.2	2142.3	-0.35	0.23	0.21	-30.7	-27.1	-34.1	0.28		
4.1	42.80	2188.4	2164.6	2147.5	-0.28	0.26	0.31	-30.8	-27.5	-33.6	0.16		
4.3	42.08	2193.8	2169.8	2152.7	-0.22	0.43	0.24	-30.8	-27.5	-33.6	0.08		
4.4	41.04	2199.0	2175.0	2157.7	-0.16	0.36	0.25	-30.9	-27.4	-34.5	0.00		
4.5	40.48	2204.2	2180.0	2162.7	-0.13	0.41	0.28	-32.0	-27.3	-34.5	0.12		
4.6	39.52	2209.2	2185.0	2167.6	-0.05	0.47	0.45	-32.0	-26.8	-34.5	0.16		
4.8	38.96	2214.1	2189.8	2172.3	0.01	0.54	0.47	-31.9	-27.1	-34.5	0.16		
4.9	38.16	2218.8	2194.6	2176.9	-0.06	0.61	0.40	-32.0	-26.9	-34.6	0.22		
5.0	36.96	2223.5	2199.2	2181.4	0.06	0.67	0.45	-32.2	-26.9	-34.7	0.22		
5.1	35.44	2227.9	2203.7	2185.8	0.09	0.72	0.52	-32.1	-26.7	-34.4	0.22		
5.3	34.24	2232.2	2207.9	2190.0	0.10	0.80	0.60	-32.1	-26.5	-34.5	0.18		
5.4	33.60	2236.4	2212.1	2194.1	0.10	0.81	0.66	-32.2	-26.6	-34.5	0.12		
5.5	32.32	2240.4	2216.2	2198.1	0.07	0.86	0.73	-32.2	-27.3	-35.3	0.04		
5.6	31.04	2244.3	2220.1	2201.9	0.08	0.81	0.74	-32.2	-27.2	-36.8	0.06		
5.8	29.84	2247.9	2223.8	2205.6	0.06	0.94	0.78	-32.7	-27.2	-38.6	0.16		
5.9	28.64	2251.5	2227.4	2209.1	0.07	0.95	0.86	-33.0	-27.3	-41.7	0.26		
6.0	27.92	2254.9	2230.86	2212.58	-0.12	0.98	0.92	-33.0	-27.3	-44.5	0.38		