

Voltage Controlled Oscillator

ROS-2000-1419+

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			
0.00	75.52	1566.7	1553.2	1540.3	5.94	5.75	5.65	-12.39	-27.34	-32.10	0.32	1	-78.2
0.50	66.18	1603.4	1590.9	1579.3	6.02	5.83	5.72	-12.14	-26.49	-31.41	0.45	10	-102.4
1.00	61.44	1636.1	1624.0	1612.7	6.08	5.88	5.79	-12.31	-27.15	-30.74	0.51	100	-123.3
1.50	60.16	1666.8	1654.7	1643.5	6.15	5.97	5.85	-12.38	-27.69	-29.80	0.58	1000	-142.6
2.00	59.14	1697.1	1684.8	1673.3	6.20	6.01	5.94	-12.53	-27.67	-29.18	0.51		
2.50	58.50	1726.6	1714.4	1702.8	6.22	6.09	5.99	-12.53	-27.05	-29.48	0.58		
3.00	58.24	1756.1	1743.6	1731.8	6.34	6.12	6.04	-12.84	-26.24	-29.86	0.64		
3.50	59.01	1785.7	1772.7	1760.6	6.37	6.23	6.16	-13.10	-25.53	-30.33	0.70		
4.00	58.11	1815.2	1802.2	1790.0	6.41	6.25	6.19	-13.15	-24.90	-30.08	0.70		
4.50	57.73	1844.6	1831.3	1818.8	6.44	6.29	6.24	-13.60	-24.16	-30.22	0.70		
5.00	58.11	1873.7	1860.2	1847.5	6.53	6.39	6.31	-13.84	-24.06	-30.26	0.70		
5.50	57.73	1903.2	1889.2	1876.1	6.52	6.43	6.40	-14.53	-24.01	-30.31	0.83		
6.00	56.45	1931.9	1918.1	1905.0	6.62	6.49	6.43	-14.69	-23.98	-29.51	0.70		
6.50	56.83	1960.5	1946.3	1933.1	6.69	6.56	6.53	-15.29	-23.73	-29.88	0.77		
7.00	56.83	1989.2	1974.7	1961.1	6.72	6.64	6.59	-15.46	-23.44	-28.91	0.77		
7.50	55.42	2017.5	2003.1	1989.4	6.73	6.65	6.62	-15.73	-23.74	-28.78	0.83		
8.00	55.04	2045.2	2030.8	2017.3	6.83	6.70	6.65	-16.42	-24.00	-29.29	0.77		
8.50	55.68	2073.2	2058.4	2044.5	6.87	6.79	6.75	-16.90	-23.77	-28.56	0.90		
9.00	55.81	2101.3	2086.2	2072.2	6.88	6.82	6.80	-17.69	-23.84	-29.30	0.90		
9.50	54.27	2128.9	2114.1	2100.0	6.93	6.82	6.81	-17.98	-24.40	-28.91	0.83		
10.00	54.66	2156.2	2141.2	2127.3	7.00	6.88	6.86	-18.65	-24.09	-30.42	0.90		
10.50	55.55	2184.0	2168.6	2154.4	6.99	6.91	6.92	-19.26	-23.95	-31.06	0.90		
11.00	54.14	2211.6	2196.4	2181.9	7.06	6.93	6.91	-19.75	-25.52	-30.12	0.96		
11.50	53.25	2238.4	2223.4	2209.4	7.10	6.97	6.96	-20.42	-25.12	-31.34	0.90		
12.00	53.25	2265.3	2250.0	2236.2	7.14	6.98	7.02	-21.15	-24.11	-30.79	0.83		