

Voltage Controlled Oscillator

ROS-2170-1319+

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	75.46	1603.6	1588.3	1576.7	6.98	6.74	6.45	-13.7	-28.2	-30.9	0.16	1	-76
0.50	65.07	1640.1	1626.0	1615.4	6.97	6.75	6.49	-13.6	-28.4	-30.4	0.26	10	-104
1.00	61.37	1672.2	1658.6	1648.6	7.05	6.78	6.49	-13.5	-28.5	-30.3	0.30	100	-125
1.50	59.99	1703.0	1689.2	1679.1	7.13	6.88	6.59	-13.8	-27.8	-30.3	0.33	1000	-144
2.00	58.88	1733.1	1719.2	1708.9	7.11	6.90	6.65	-13.9	-26.9	-30.5	0.34		
2.50	58.29	1762.6	1748.7	1738.4	7.12	6.88	6.64	-14.1	-26.1	-30.7	0.34		
3.00	58.56	1792.0	1777.8	1767.3	7.26	7.00	6.70	-14.4	-25.2	-30.7	0.34		
3.50	58.64	1821.6	1807.1	1796.3	7.23	7.04	6.80	-14.7	-24.6	-30.8	0.34		
4.00	57.98	1851.0	1836.4	1825.5	7.24	7.04	6.82	-14.9	-24.0	-30.6	0.33		
4.50	57.70	1880.1	1865.4	1854.5	7.33	7.10	6.83	-15.3	-23.9	-31.0	0.31		
5.00	58.13	1909.3	1894.3	1883.0	7.37	7.21	6.95	-15.7	-23.4	-30.9	0.31		
5.50	57.60	1938.5	1923.3	1911.8	7.35	7.19	7.00	-16.0	-23.2	-31.1	0.30		
6.00	56.68	1967.4	1952.1	1940.6	7.39	7.22	6.99	-16.4	-23.0	-31.4	0.29		
6.50	57.02	1995.9	1980.5	1969.0	7.47	7.28	7.03	-17.1	-22.9	-31.4	0.29		
7.00	57.46	2025.0	2009.0	1997.1	7.47	7.34	7.13	-17.5	-22.6	-30.9	0.30		
7.50	55.90	2053.3	2037.7	2025.8	7.49	7.36	7.15	-18.2	-22.6	-31.0	0.29		
8.00	56.22	2081.6	2065.7	2053.9	7.54	7.42	7.17	-18.9	-22.8	-30.9	0.28		
8.50	56.91	2110.0	2093.8	2081.7	7.57	7.47	7.23	-19.5	-22.8	-30.5	0.28		
9.00	56.25	2138.6	2122.2	2109.8	7.55	7.47	7.27	-20.2	-22.9	-30.2	0.28		
9.50	55.23	2166.5	2150.3	2138.2	7.58	7.47	7.25	-21.0	-23.1	-30.1	0.26		
10.00	55.88	2194.5	2178.0	2165.9	7.62	7.51	7.28	-21.5	-23.2	-29.8	0.25		
10.50	55.98	2222.8	2205.9	2193.5	7.64	7.55	7.32	-22.5	-23.4	-30.2	0.23		
11.00	54.56	2250.4	2233.9	2221.5	7.62	7.57	7.33	-23.1	-23.5	-29.8	0.21		
11.50	53.82	2277.4	2261.2	2249.1	7.59	7.52	7.32	-23.8	-24.0	-30.6	0.17		
12.00	53.98	2304.7	2288.1	2276.0	7.64	7.47	7.27	-24.1	-24.1	-30.7	0.15		
12.50	53.54	2331.6	2315.1	2303.0	7.62	7.49	7.28	-24.5	-24.3	-31.7	0.13		
13.00	51.89	2358.2	2341.8	2329.7	7.57	7.47	7.25	-24.6	-24.5	-32.3	0.09		
13.50	50.01	2383.5	2367.8	2356.2	7.50	7.39	7.19	-25.6	-24.6	-32.9	0.06		
14.00	50.01	2409.3	2392.8	2381.2	7.45	7.30	7.10	-26.1	-24.6	-34.0	0.04		