

Voltage Controlled Oscillator

ROS-1800+

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			
0.0	51.24	1647.8	1636.4	1629.3	2.91	2.71	2.52	-28.3	-46.1	-52.2	0.48	1	-76
0.3	42.05	1658.8	1649.2	1641.4	3.11	2.76	2.29	-29.4	-45.8	-54.0	0.54	10	-101
0.5	39.28	1668.9	1659.7	1653.2	3.08	2.88	2.49	-30.4	-46.0	-54.6	0.53	100	-122
0.8	38.11	1678.6	1669.5	1663.3	2.85	2.86	2.52	-30.9	-45.5	-54.4	0.56	1000	-141
1.0	45.05	1690.0	1679.1	1672.8	2.97	2.66	2.48	-30.9	-45.5	-52.3	0.65		
1.3	39.38	1699.7	1690.3	1682.3	3.28	2.72	2.24	-30.7	-46.1	-52.0	0.73		
1.5	39.55	1709.4	1700.2	1693.7	3.28	3.00	2.47	-30.8	-46.2	-51.0	0.68		
1.8	41.22	1719.5	1710.1	1703.6	3.25	3.00	2.64	-31.0	-46.1	-53.2	0.72		
2.0	45.52	1730.6	1720.4	1713.7	3.07	2.93	2.59	-31.8	-45.3	-53.2	0.77		
2.3	47.10	1742.2	1731.7	1724.3	3.26	2.75	2.46	-32.5	-44.9	-54.5	0.94		
2.5	47.91	1753.8	1743.5	1736.2	3.33	2.89	2.41	-32.3	-44.3	-51.6	0.84		
2.8	49.56	1766.0	1755.5	1748.1	3.27	2.96	2.50	-32.0	-44.7	-51.5	0.84		
3.0	56.71	1780.1	1767.9	1760.4	3.31	2.85	2.52	-32.2	-44.9	-51.0	0.81		
3.3	53.00	1793.3	1782.1	1773.1	3.35	2.87	2.27	-32.7	-44.0	-54.2	0.70		
3.5	53.18	1806.7	1795.3	1787.3	3.28	2.85	2.39	-33.2	-43.1	-53.1	0.51		
3.8	54.29	1820.5	1808.6	1800.6	3.15	2.78	2.34	-33.3	-42.0	-52.0	0.32		
4.0	52.44	1833.9	1822.2	1813.7	3.26	2.65	2.25	-33.0	-41.9	-54.2	0.15		
4.3	50.51	1846.8	1835.3	1827.1	3.25	2.70	2.18	-33.1	-41.4	-46.9	0.09		
4.5	49.29	1859.6	1847.9	1839.9	2.96	2.62	2.15	-33.7	-41.0	-52.8	0.25		
4.8	49.40	1872.3	1860.2	1852.1	3.03	2.36	2.01	-34.8	-39.9	-48.3	0.32		
5.0	45.78	1884.1	1872.6	1864.2	3.10	2.43	1.80	-34.4	-39.7	-46.6	0.49		
5.3	43.92	1895.5	1884.0	1876.0	3.04	2.45	1.88	-33.9	-40.9	-46.0	0.60		
5.5	42.40	1906.6	1895.0	1887.0	2.80	2.32	1.80	-33.9	-43.7	-45.3	0.65		
5.8	41.31	1917.3	1905.6	1897.6	2.83	2.09	1.67	-34.3	-48.3	-44.4	0.68		
6.0	38.78	1927.4	1915.9	1907.7	2.81	2.07	1.44	-34.8	-52.3	-44.4	0.75		

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