

Voltage Controlled Oscillator

ROS-1770-1PH19+

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	35.26	1668.7	1664.1	1658.9	3.55	4.28	4.87	-17.3	-29.2	-51.1	1.32	1	-87
0.3	30.57	1677.1	1672.9	1668.1	3.28	4.07	4.70	-17.4	-28.4	-49.1	0.83	10	-112
0.5	27.66	1684.5	1680.5	1675.8	3.06	3.91	4.57	-17.9	-28.5	-48.5	0.59	100	-132
0.8	25.55	1691.3	1687.5	1682.8	2.89	3.79	4.45	-18.4	-28.7	-47.4	0.43	1000	-153
1.0	24.02	1697.6	1693.8	1689.2	2.75	3.69	4.34	-18.8	-28.6	-46.8	0.32		
1.3	23.00	1703.6	1699.9	1695.2	2.62	3.59	4.26	-18.8	-28.6	-46.2	0.24		
1.5	22.07	1709.3	1705.6	1700.9	2.52	3.51	4.17	-19.1	-28.7	-44.9	0.17		
1.8	21.31	1714.9	1711.1	1706.4	2.44	3.45	4.10	-19.5	-28.5	-44.1	0.12		
2.0	20.57	1720.2	1716.4	1711.7	2.38	3.38	4.03	-19.7	-27.8	-43.8	0.06		
2.3	20.07	1725.3	1721.6	1716.8	2.30	3.31	3.96	-19.8	-28.4	-43.8	0.02		
2.5	19.75	1730.4	1726.6	1721.8	2.24	3.24	3.90	-19.9	-29.0	-42.8	0.01		
2.8	19.39	1735.4	1731.5	1726.7	2.19	3.19	3.85	-20.2	-29.3	-42.0	0.05		
3.0	19.10	1740.3	1736.4	1731.5	2.16	3.13	3.81	-20.5	-29.5	-41.7	0.08		
3.3	18.84	1745.1	1741.2	1736.2	2.12	3.08	3.77	-20.9	-29.4	-41.3	0.11		
3.5	18.55	1749.8	1745.9	1740.9	2.08	3.04	3.72	-21.3	-28.8	-40.3	0.14		
3.8	18.44	1754.5	1750.5	1745.5	2.04	2.99	3.68	-21.6	-29.1	-39.7	0.17		
4.0	18.34	1759.2	1755.1	1750.0	2.00	2.95	3.64	-21.9	-29.8	-39.2	0.19		
4.3	18.23	1763.8	1759.7	1754.5	1.97	2.92	3.60	-22.0	-30.3	-38.9	0.22		
4.5	18.13	1768.4	1764.3	1759.0	1.93	2.88	3.56	-22.1	-30.4	-38.2	0.24		
4.8	18.04	1772.9	1768.8	1763.5	1.90	2.84	3.52	-22.2	-30.2	-37.6	0.27		
5.0	17.98	1777.5	1773.3	1768.0	1.85	2.81	3.48	-22.4	-29.8	-37.4	0.29		
5.3	18.00	1782.0	1777.8	1772.4	1.82	2.77	3.43	-22.6	-30.1	-36.6	0.31		
5.5	18.00	1786.5	1782.3	1776.9	1.79	2.74	3.38	-22.8	-30.5	-35.9	0.34		
5.8	18.03	1791.1	1786.8	1781.3	1.76	2.70	3.34	-23.0	-30.7	-35.6	0.36		
6.0	18.05	1795.6	1791.3	1785.7	1.74	2.67	3.30	-23.2	-30.9	-34.8	0.39		
6.3	18.10	1800.2	1795.8	1790.2	1.72	2.64	3.26	-23.4	-31.5	-33.6	0.41		
6.5	18.19	1804.8	1800.3	1794.7	1.69	2.62	3.22	-23.6	-32.0	-33.3	0.44		
6.8	18.29	1809.3	1804.9	1799.1	1.66	2.59	3.19	-23.7	-32.2	-33.0	0.46		
7.0	18.39	1813.9	1809.5	1803.7	1.65	2.56	3.15	-24.0	-31.6	-32.7	0.49		
7.3	18.47	1818.6	1814.1	1808.2	1.64	2.54	3.11	-24.3	-30.9	-33.0	0.52		
7.5	18.60	1823.2	1818.7	1812.8	1.62	2.52	3.08	-24.5	-31.1	-32.6	0.54		
7.8	18.81	1827.9	1823.3	1817.3	1.60	2.52	3.05	-24.6	-32.4	-32.2	0.57		
8.0	18.97	1832.7	1828.0	1822.0	1.58	2.50	3.04	-24.6	-33.6	-31.3	0.61		

