

# Voltage Controlled Oscillator

# ROS-2000+

## 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			
1.0	77.66	1255.1	1240.6	1230.6	9.09	8.24	7.60	-9.9	-23.7	-26.1	0.46	1	-75
2.0	53.60	1307.5	1294.2	1285.2	8.49	7.75	7.23	-10.6	-23.4	-24.4	0.67	10	-100
3.0	46.74	1353.9	1340.9	1332.2	8.05	7.39	6.85	-11.9	-21.7	-23.4	0.76	100	-120
4.0	43.78	1398.0	1384.7	1375.8	7.52	6.96	6.53	-13.8	-20.2	-22.7	0.84	1000	-140
5.0	42.58	1440.6	1427.3	1418.2	7.07	6.56	6.22	-17.0	-18.8	-21.8	0.88		
6.0	41.89	1483.1	1469.2	1459.9	6.56	6.22	5.97	-19.8	-17.9	-22.1	0.84		
7.0	45.66	1528.4	1514.8	1505.2	6.27	6.06	5.76	-22.1	-23.7	-30.8	1.00		
8.0	48.06	1579.2	1562.9	1551.9	6.46	6.08	5.73	-22.8	-21.4	-29.3	1.38		
9.0	48.30	1627.7	1611.2	1599.9	6.50	6.09	5.76	-20.1	-20.9	-28.2	1.46		
10.0	49.21	1676.4	1660.4	1649.2	6.54	6.19	5.81	-18.5	-19.7	-28.6	1.42		
11.0	50.01	1725.7	1710.4	1699.4	6.58	6.22	5.87	-16.6	-18.9	-28.2	1.18		
12.0	49.15	1774.1	1759.5	1749.0	6.73	6.33	5.91	-15.2	-18.6	-28.5	0.82		
13.0	47.36	1821.1	1806.9	1796.5	6.73	6.36	6.00	-14.4	-18.7	-29.0	0.50		
14.0	44.86	1865.6	1851.8	1841.7	6.91	6.43	6.05	-13.3	-18.4	-31.6	0.27		
15.0	41.14	1906.9	1892.9	1882.5	6.88	6.52	6.24	-14.3	-18.4	-33.6	0.16		
16.0	38.56	1945.4	1931.5	1920.4	6.98	6.55	6.13	-13.9	-18.2	-32.9	0.14		
17.0	34.04	1979.9	1965.5	1954.7	6.89	6.49	6.29	-13.6	-18.6	-31.2	0.17		
18.0	31.21	2012.1	1996.7	1985.6	6.85	6.52	6.28	-13.4	-18.6	-30.1	0.25		
19.0	29.57	2041.1	2026.3	2014.4	6.90	6.53	6.24	-12.9	-18.8	-29.5	0.31		
20.0	25.85	2067.5	2052.1	2040.8	6.93	6.61	6.38	-12.8	-18.8	-30.8	0.39		

