

# Voltage Controlled Oscillator

ROS-1862-119+

## 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	37.75	1353.7	1344.3	1337.7	8.81	8.30	7.76	-16.3	-20.9	-35.8	0.05	1	-76
1.0	33.78	1390.9	1382.1	1375.7	8.35	8.00	7.56	-18.0	-20.2	-35.3	0.19	10	-102
2.0	33.65	1424.8	1415.9	1409.4	8.10	7.82	7.41	-19.9	-19.5	-36.5	0.28	100	-124
3.0	34.38	1459.0	1449.5	1442.8	7.84	7.69	7.32	-22.0	-19.3	-37.9	0.35	1000	-144
4.0	34.49	1493.7	1483.9	1476.9	7.65	7.54	7.20	-23.8	-19.4	-39.1	0.40		
5.0	34.74	1528.4	1518.4	1511.2	7.59	7.47	7.12	-23.4	-18.5	-35.7	0.42		
6.0	34.86	1563.6	1553.1	1545.6	7.56	7.46	7.11	-21.2	-18.2	-31.4	0.45		
7.0	35.12	1598.7	1588.0	1580.3	7.59	7.48	7.12	-18.6	-17.9	-28.6	0.45		
8.0	34.84	1634.0	1623.1	1615.2	7.65	7.53	7.14	-16.7	-17.1	-26.1	0.42		
9.0	34.34	1668.9	1657.9	1650.0	7.84	7.64	7.22	-15.4	-16.9	-24.6	0.32		
10.0	34.13	1703.4	1692.3	1684.3	7.99	7.78	7.35	-15.4	-17.5	-23.8	0.20		
11.0	32.95	1737.2	1726.4	1718.5	8.00	7.78	7.39	-16.9	-17.8	-23.4	0.14		
12.0	32.30	1769.8	1759.3	1751.8	7.95	7.73	7.31	-20.0	-18.5	-23.4	0.11		
13.0	31.26	1802.1	1791.6	1784.0	7.82	7.65	7.25	-23.4	-18.6	-24.9	0.13		
14.0	29.37	1833.2	1822.9	1815.3	7.68	7.54	7.18	-29.5	-19.1	-25.9	0.16		
15.0	27.52	1862.6	1852.3	1844.7	7.58	7.45	7.12	-31.4	-20.5	-26.5	0.20		
16.0	26.19	1890.3	1879.8	1872.1	7.52	7.42	7.08	-27.2	-20.5	-27.5	0.25		
17.0	24.40	1916.6	1906.0	1898.1	7.45	7.38	7.06	-24.6	-21.8	-28.7	0.31		
18.0	22.88	1941.0	1930.4	1922.4	7.40	7.32	7.03	-22.3	-23.5	-29.8	0.37		
19.0	21.44	1964.1	1953.2	1945.2	7.34	7.30	6.99	-20.6	-26.5	-31.2	0.39		
20.0	19.85	1985.6	1974.7	1966.5	7.32	7.27	6.96	-19.7	-29.5	-31.2	0.39		
21.0	18.39	2005.7	1994.5	1986.3	7.31	7.24	6.95	-19.0	-29.8	-31.2	0.35		
22.0	16.43	2024.2	2012.9	2004.4	7.29	7.24	6.95	-18.5	-28.2	-31.6	0.28		
23.0	14.34	2040.9	2029.3	2020.7	7.28	7.24	6.95	-17.8	-27.6	-30.8	0.21		
24.0	12.15	2055.4	2043.7	2034.8	7.26	7.23	6.96	-17.5	-26.5	-29.8	0.17		
25.0	10.00	2067.8	2055.8	2046.8	7.25	7.22	6.94	-17.3	-25.2	-32.1	0.21		
26.0	10.00	2078.0	2065.8	2056.6	7.24	7.21	6.93	-17.0	-24.4	-31.1	0.31		

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