

Voltage Controlled Oscillator

ROS-2070+

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	26.70	1989.0	1984.3	1979.4	6.22	6.40	6.47	-27.44	-48.38	-32.66	0.60	1	-84.9
0.25	24.42	1995.6	1991.0	1986.2	6.20	6.38	6.45	-27.76	-47.57	-33.41	0.64	10	-107.3
0.50	23.02	2001.7	1997.1	1992.3	6.19	6.38	6.44	-28.17	-46.93	-31.80	0.67	100	-128.5
0.75	22.14	2007.5	2002.9	1998.0	6.14	6.36	6.44	-28.31	-45.90	-32.67	0.69	1000	-148.9
1.00	21.59	2013.1	2008.4	2003.5	6.10	6.32	6.42	-28.38	-45.44	-32.90	0.70		
1.25	21.26	2018.6	2013.8	2008.8	6.07	6.28	6.38	-28.31	-44.73	-32.21	0.72		
1.50	21.11	2024.0	2019.1	2014.0	6.02	6.24	6.35	-28.10	-44.43	-32.35	0.73		
1.75	21.06	2029.3	2024.4	2019.2	5.98	6.19	6.32	-27.91	-44.16	-33.19	0.74		
2.00	21.07	2034.7	2029.7	2024.4	5.93	6.15	6.28	-28.05	-43.00	-32.81	0.76		
2.25	21.12	2040.0	2034.9	2029.5	5.89	6.11	6.24	-28.29	-42.41	-32.55	0.77		
2.50	21.18	2045.4	2040.2	2034.7	5.87	6.08	6.19	-28.54	-42.29	-32.75	0.78		
2.75	21.22	2050.8	2045.5	2039.9	5.84	6.04	6.16	-28.73	-42.27	-33.21	0.79		
3.00	21.29	2056.1	2050.8	2045.1	5.85	6.01	6.12	-28.94	-41.68	-33.64	0.80		
3.25	21.38	2061.5	2056.1	2050.3	5.85	6.01	6.08	-29.26	-41.01	-33.08	0.81		
3.50	21.46	2066.9	2061.5	2055.6	5.84	6.01	6.09	-29.29	-40.37	-31.81	0.82		
3.75	21.56	2072.4	2066.8	2060.8	5.81	6.00	6.08	-29.37	-40.10	-32.20	0.82		
4.00	21.67	2077.9	2072.2	2066.1	5.80	5.97	6.06	-29.57	-39.47	-32.75	0.84		
4.25	21.75	2083.4	2077.6	2071.4	5.79	5.95	6.03	-29.73	-39.21	-32.62	0.85		
4.50	21.82	2088.9	2083.1	2076.8	5.79	5.95	6.00	-29.91	-38.71	-32.87	0.87		
4.75	21.91	2094.4	2088.5	2082.1	5.77	5.94	5.99	-30.19	-38.17	-33.11	0.88		
5.00	22.04	2100.0	2094.0	2087.5	5.75	5.92	5.98	-30.65	-37.54	-32.77	0.90		
5.25	22.11	2105.6	2099.5	2092.9	5.72	5.90	5.96	-31.32	-36.99	-32.68	0.92		
5.50	22.16	2111.2	2105.0	2098.3	5.68	5.87	5.94	-31.70	-36.72	-33.33	0.95		
5.75	22.19	2116.8	2110.6	2103.7	5.63	5.84	5.91	-31.72	-36.63	-33.18	0.98		
6.00	22.24	2122.4	2116.1	2109.2	5.57	5.80	5.87	-31.65	-36.89	-32.71	1.01		
6.25	22.36	2128.1	2121.7	2114.6	5.50	5.74	5.84	-31.73	-36.13	-32.47	1.04		
6.50	22.58	2133.8	2127.3	2120.1	5.42	5.67	5.78	-32.37	-34.80	-32.48	1.08		
6.75	22.55	2139.6	2132.9	2125.5	5.35	5.60	5.73	-33.46	-34.00	-33.08	1.12		
7.00	22.55	2145.3	2138.6	2131.0	5.31	5.53	5.64	-33.51	-34.36	-33.53	1.17		