

# Voltage Controlled Oscillator

# ROS-2117+

## 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	23.31	2041.2	2036.3	2032.0	5.79	6.49	7.38	-29.4	-51.0	-34.5	0.86	1	-82.8
0.25	21.43	2046.9	2042.1	2037.9	5.77	6.45	7.35	-29.6	-49.2	-33.4	0.89	10	-105.9
0.50	20.30	2052.2	2047.5	2043.2	5.77	6.43	7.32	-29.7	-49.0	-34.2	0.91	100	-126.7
0.75	19.58	2057.3	2052.5	2048.2	5.76	6.42	7.31	-29.8	-49.0	-33.4	0.93	1000	-146.1
1.00	19.19	2062.3	2057.4	2053.1	5.74	6.42	7.30	-29.9	-48.3	-32.2	0.94		
1.25	18.93	2067.2	2062.2	2057.8	5.71	6.40	7.29	-30.2	-47.4	-32.2	0.96		
1.50	18.74	2072.0	2067.0	2062.4	5.67	6.38	7.28	-30.5	-46.7	-32.2	0.98		
1.75	18.51	2076.7	2071.6	2067.0	5.62	6.35	7.26	-30.5	-45.9	-32.3	0.99		
2.00	18.51	2081.5	2076.3	2071.6	5.57	6.32	7.23	-29.9	-45.5	-32.5	0.99		
2.25	18.76	2086.3	2080.9	2076.1	5.53	6.29	7.20	-29.7	-45.7	-32.2	1.01		
2.50	18.84	2091.1	2085.6	2080.6	5.49	6.25	7.18	-29.9	-45.2	-31.8	1.02		
2.75	18.93	2096.0	2090.3	2085.2	5.43	6.21	7.14	-30.1	-44.2	-32.0	1.04		
3.00	18.97	2100.8	2095.0	2089.8	5.38	6.16	7.10	-30.4	-43.4	-32.8	1.06		
3.25	19.04	2105.7	2099.8	2094.4	5.34	6.10	7.05	-30.5	-42.6	-33.3	1.06		
3.50	19.09	2110.5	2104.5	2099.1	5.29	6.06	6.99	-30.4	-42.2	-32.1	1.08		
3.75	19.17	2115.5	2109.3	2103.7	5.23	6.01	6.95	-30.0	-42.3	-31.7	1.09		
4.00	19.38	2120.4	2114.1	2108.4	5.18	5.95	6.91	-29.7	-41.4	-32.8	1.11		
4.25	19.55	2125.4	2118.9	2113.1	5.14	5.90	6.86	-29.8	-40.4	-33.4	1.13		
4.50	19.65	2130.4	2123.8	2117.8	5.12	5.85	6.81	-30.1	-39.8	-32.8	1.16		
4.75	19.64	2135.4	2128.7	2122.6	5.09	5.81	6.75	-30.4	-39.4	-32.3	1.17		
5.00	19.65	2140.4	2133.6	2127.4	5.07	5.78	6.71	-30.5	-38.9	-32.4	1.19		
5.25	19.68	2145.5	2138.6	2132.2	5.05	5.76	6.67	-30.2	-38.7	-32.8	1.21		
5.50	19.80	2150.5	2143.5	2137.1	5.04	5.75	6.65	-30.0	-37.9	-32.2	1.23		
5.75	19.90	2155.6	2148.4	2141.9	5.00	5.74	6.63	-30.3	-37.2	-32.2	1.26		
6.00	19.92	2160.7	2153.4	2146.7	4.96	5.72	6.62	-30.5	-36.7	-32.6	1.28		