

Voltage Controlled Oscillator

ROS-EDR6610

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			
0.3	33.39	1970.9	1964.8	1959.2	5.45	4.92	4.43	-28.4	-38.5	-56.1	-0.13	1	-82
0.5	30.55	1979.0	1973.2	1967.9	5.55	5.00	4.34	-29.0	-40.2	-55.2	-0.04	10	-108
0.8	28.52	1986.4	1980.8	1975.7	5.60	5.09	4.42	-29.1	-42.2	-54.2	0.01	100	-128
1.0	26.90	1993.4	1987.9	1982.9	5.65	5.16	4.51	-30.4	-42.4	-53.9	0.04	1000	-148
1.3	25.76	2000.1	1994.7	1989.7	5.67	5.22	4.59	-30.9	-46.1	-53.1	0.08		
1.5	24.85	2006.5	2001.1	1996.2	5.64	5.22	4.65	-30.8	-45.0	-53.2	0.08		
1.8	24.12	2012.7	2007.3	2002.5	5.67	5.18	4.65	-31.1	-42.6	-53.0	0.09		
2.0	23.58	2018.7	2013.3	2008.5	5.74	5.24	4.60	-31.4	-41.3	-52.6	0.10		
2.3	23.04	2024.6	2019.2	2014.4	5.76	5.29	4.63	-30.9	-41.8	-52.3	0.10		
2.5	22.64	2030.4	2025.0	2020.1	5.77	5.32	4.67	-30.4	-41.4	-52.1	0.10		
2.8	22.27	2036.0	2030.7	2025.8	5.76	5.34	4.71	-30.3	-40.2	-51.5	0.10		
3.0	21.93	2041.6	2036.2	2031.4	5.62	5.35	4.74	-29.6	-39.1	-51.3	0.10		
3.3	21.74	2047.1	2041.7	2036.8	5.62	5.27	4.77	-29.4	-39.9	-51.3	0.10		
3.5	21.65	2052.6	2047.1	2042.2	5.76	5.21	4.74	-30.4	-43.1	-51.3	0.11		
3.8	21.45	2058.0	2052.6	2047.6	5.86	5.32	4.64	-31.4	-45.2	-50.7	0.10		
4.0	21.37	2063.4	2057.9	2052.9	5.93	5.41	4.69	-31.6	-44.5	-51.2	0.09		
4.3	21.33	2068.8	2063.3	2058.2	5.95	5.45	4.75	-31.6	-43.7	-51.2	0.10		
4.5	21.26	2074.2	2068.6	2063.5	5.98	5.49	4.81	-32.2	-43.9	-51.4	0.09		
4.8	21.22	2079.5	2073.9	2068.8	6.00	5.53	4.85	-32.5	-43.2	-51.8	0.09		
5.0	21.24	2084.9	2079.2	2074.1	5.95	5.53	4.89	-32.2	-42.3	-52.2	0.09		
5.3	21.21	2090.2	2084.5	2079.4	5.90	5.48	4.91	-32.0	-40.9	-52.7	0.08		
5.5	21.37	2095.6	2089.8	2084.6	5.98	5.45	4.88	-32.3	-40.2	-53.6	0.08		
5.8	21.44	2101.0	2095.2	2089.9	6.06	5.54	4.82	-31.8	-39.9	-54.2	0.08		
6.0	21.52	2106.4	2100.5	2095.2	6.12	5.62	4.87	-31.0	-39.5	-54.9	0.08		
6.3	21.62	2111.8	2105.9	2100.6	6.13	5.68	4.96	-30.4	-39.9	-56.2	0.08		
6.5	21.78	2117.3	2111.3	2105.9	6.04	5.71	5.02	-30.5	-39.9	-55.8	0.08		
6.8	21.82	2122.7	2116.8	2111.3	5.92	5.68	5.05	-30.6	-41.0	-56.5	0.08		
7.0	21.82	2128.3	2122.2	2116.8	6.07	5.52	5.04	-31.1	-44.4	-58.2	0.08		