

Voltage Controlled Oscillator

ROS-EDR6399

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	36.77	2069.7	2062.7	2056.8	3.81	3.64	3.09	-23.1	-31.1	-32.0	0.29	1	-82
0.5	32.34	2077.5	2070.8	2065.1	3.71	3.68	3.23	-23.4	-29.9	-31.7	0.39	10	-107
0.8	29.64	2084.6	2078.2	2072.7	3.57	3.62	3.27	-22.6	-29.4	-31.7	0.42	100	-127
1.0	27.52	2091.4	2085.1	2079.7	3.84	3.42	3.23	-22.7	-30.5	-32.4	0.43	1000	-147
1.3	25.96	2097.9	2091.6	2086.3	3.93	3.62	3.08	-23.5	-30.8	-32.3	0.46		
1.5	25.26	2104.2	2097.9	2092.6	3.90	3.76	3.06	-23.1	-30.3	-31.9	0.49		
1.8	24.33	2110.3	2104.0	2098.7	3.86	3.78	3.18	-23.2	-29.6	-31.9	0.51		
2.0	23.58	2116.1	2109.9	2104.6	3.78	3.76	3.23	-23.3	-29.4	-32.1	0.52		
2.3	23.00	2121.9	2115.6	2110.3	3.76	3.70	3.21	-23.2	-29.2	-32.5	0.54		
2.5	22.38	2127.5	2121.2	2115.9	3.84	3.62	3.14	-23.1	-29.5	-32.8	0.56		
2.8	22.08	2133.1	2126.7	2121.4	3.86	3.63	3.03	-23.7	-30.2	-33.2	0.55		
3.0	21.89	2138.6	2132.2	2126.9	3.79	3.63	2.99	-24.4	-30.4	-33.9	0.55		
3.3	21.64	2144.0	2137.6	2132.3	3.61	3.56	2.95	-24.3	-30.5	-33.5	0.55		
3.5	21.35	2149.4	2143.0	2137.6	3.35	3.41	2.85	-24.6	-30.2	-33.1	0.55		
3.8	21.19	2154.7	2148.3	2142.8	2.99	3.17	2.68	-25.3	-29.6	-33.0	0.53		
4.0	20.87	2159.9	2153.5	2148.1	2.70	2.88	2.44	-25.3	-29.8	-32.3	0.51		
4.3	20.60	2165.2	2158.6	2153.2	3.04	2.47	2.17	-25.0	-30.1	-31.5	0.48		
4.5	20.49	2170.5	2163.8	2158.4	3.12	2.30	1.77	-25.1	-31.2	-31.0	0.47		
4.8	20.96	2175.7	2169.0	2163.4	3.02	2.49	1.34	-26.8	-31.5	-30.8	0.49		
5.0	20.91	2181.0	2174.2	2168.5	2.83	2.43	1.24	-27.3	-30.9	-30.2	0.46		
5.3	20.76	2186.2	2179.4	2173.7	2.55	2.23	1.29	-27.0	-30.8	-29.8	0.44		
5.5	20.62	2191.4	2184.6	2178.9	2.23	1.94	1.15	-27.5	-31.0	-29.3	0.42		
5.8	20.70	2196.6	2189.7	2184.0	1.85	1.60	0.87	-28.2	-31.1	-28.1	0.40		
6.0	20.72	2201.8	2194.9	2189.2	1.48	1.20	0.49	-27.6	-31.1	-27.1	0.37		
6.3	20.72	2207.1	2200.1	2194.4	1.30	0.76	0.08	-26.6	-30.7	-26.4	0.35		
6.5	20.90	2212.4	2205.3	2199.5	1.08	0.41	-0.34	-28.0	-31.1	-25.6	0.35		
6.8	21.26	2217.7	2210.6	2204.8	0.73	0.20	-0.70	-29.9	-31.1	-24.7	0.33		
7.0	21.20	2223.0	2215.9	2210.0	0.25	-0.11	-0.99	-29.1	-30.8	-24.1	0.29		