

Voltage Controlled Oscillator

ROS-EDR5584

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	49.50	1953.9	1944.0	1934.3	2.48	1.75	0.99	-24.8	-35.6	-39.1	0.60	1	-70
0.5	44.70	1964.9	1955.1	1945.4	2.41	1.75	1.04	-25.1	-35.0	-39.1	0.67	10	-94
0.8	40.98	1975.4	1965.4	1955.5	2.31	1.72	1.08	-25.5	-35.6	-39.1	0.74	100	-116
1.0	39.73	1985.8	1975.3	1965.1	2.24	1.68	1.09	-25.5	-34.8	-38.1	0.80	1000	-135
1.3	39.29	1995.9	1985.1	1974.4	2.22	1.70	1.11	-25.4	-35.2	-38.6	0.86		
1.5	38.43	2005.4	1994.7	1983.6	2.22	1.73	1.16	-25.5	-34.8	-38.3	0.90		
1.8	37.26	2015.3	2004.1	1992.8	2.17	1.76	1.21	-25.7	-35.0	-38.2	0.90		
2.0	37.82	2025.0	2013.5	2002.0	2.15	1.73	1.24	-25.7	-35.1	-37.8	0.98		
2.3	38.37	2034.7	2023.1	2011.0	2.13	1.73	1.26	-25.6	-35.0	-37.5	0.99		
2.5	38.28	2044.4	2032.7	2020.3	2.19	1.74	1.26	-26.1	-35.5	-37.9	1.03		
2.8	38.58	2054.3	2042.3	2029.8	2.24	1.83	1.30	-26.2	-35.4	-37.8	1.02		
3.0	38.72	2064.7	2052.0	2039.4	2.30	1.93	1.35	-25.9	-35.8	-37.3	1.05		
3.3	40.88	2075.0	2062.2	2049.1	2.35	2.01	1.48	-26.0	-35.8	-37.0	1.14		
3.5	41.20	2085.4	2072.5	2058.8	2.37	2.08	1.60	-26.6	-36.0	-36.7	1.11		
3.8	41.55	2095.9	2082.9	2069.1	2.35	2.09	1.67	-26.5	-36.3	-36.5	1.12		
4.0	41.43	2106.5	2093.3	2079.5	2.37	2.10	1.69	-26.1	-36.0	-36.3	1.09		
4.3	42.55	2117.1	2103.9	2089.8	2.38	2.15	1.72	-26.5	-36.3	-35.9	1.06		
4.5	41.72	2128.0	2114.3	2100.1	2.41	2.23	1.77	-26.4	-36.1	-36.0	1.02		
4.8	42.84	2138.5	2125.0	2110.6	2.49	2.23	1.87	-26.2	-36.2	-36.2	1.05		
5.0	42.15	2149.4	2135.6	2121.0	2.48	2.28	1.92	-26.6	-36.0	-37.0	0.93		
5.3	42.24	2160.0	2146.1	2131.6	2.44	2.29	1.88	-27.1	-36.0	-36.9	0.96		
5.5	41.82	2170.7	2156.6	2141.9	2.45	2.35	1.93	-27.1	-36.0	-37.8	0.92		
5.8	42.11	2180.9	2167.1	2152.1	2.48	2.32	2.00	-27.3	-36.2	-38.0	0.95		
6.0	40.25	2190.9	2177.2	2162.2	2.45	2.34	2.02	-27.7	-36.3	-38.4	0.88		
6.3	38.88	2200.7	2186.9	2172.4	2.40	2.36	1.96	-27.8	-36.3	-38.7	0.86		
6.5	38.02	2210.8	2196.4	2181.9	2.28	2.32	1.99	-27.8	-36.3	-38.7	0.87		
6.8	38.01	2220.4	2205.9	2191.2	2.33	2.25	2.00	-28.2	-36.2	-38.9	0.93		
7.0	38.64	2229.6	2215.6	2200.1	2.38	2.21	1.97	-28.7	-35.9	-39.7	0.91		