

Voltage Controlled Oscillator

ROS-EDR6017

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	19.57	2017.9	2012.4	2008.9	2.13	3.01	2.08	-24.0	-29.9	-33.0	0.52	1	-86
0.5	18.14	2022.4	2017.0	2013.5	2.21	3.03	2.19	-23.5	-29.4	-33.0	0.53	10	-108
0.8	17.46	2026.8	2021.3	2017.9	2.32	3.06	2.26	-23.2	-28.9	-33.0	0.53	100	-128
1.0	17.26	2031.1	2025.7	2022.1	2.40	3.16	2.27	-23.1	-28.5	-33.1	0.54	1000	-148
1.3	17.24	2035.5	2030.0	2026.4	2.46	3.26	2.29	-23.1	-28.3	-33.6	0.55		
1.5	17.40	2039.9	2034.3	2030.7	2.52	3.34	2.39	-23.1	-28.4	-34.0	0.55		
1.8	17.74	2044.4	2038.8	2035.1	2.57	3.40	2.51	-23.1	-28.7	-34.2	0.55		
2.0	18.08	2049.0	2043.3	2039.5	2.60	3.46	2.60	-23.2	-29.1	-34.6	0.55		
2.3	18.60	2053.7	2047.9	2044.1	2.63	3.50	2.70	-23.4	-29.2	-35.3	0.55		
2.5	19.22	2058.6	2052.7	2048.8	2.67	3.54	2.79	-23.6	-29.1	-35.7	0.53		
2.8	19.70	2063.6	2057.7	2053.7	2.69	3.57	2.88	-23.7	-29.2	-34.9	0.53		
3.0	20.22	2068.7	2062.7	2058.7	2.70	3.56	2.96	-23.6	-29.2	-34.5	0.52		
3.3	20.78	2074.0	2067.9	2063.8	2.73	3.57	3.04	-23.4	-28.9	-34.2	0.51		
3.5	21.45	2079.5	2073.3	2069.1	2.82	3.68	3.10	-22.9	-28.4	-34.0	0.49		
3.8	21.85	2085.0	2078.7	2074.4	2.91	3.78	3.14	-22.1	-27.6	-34.0	0.47		
4.0	22.23	2090.6	2084.3	2079.9	2.97	3.86	3.18	-21.3	-27.2	-34.2	0.44		
4.3	22.52	2096.3	2089.9	2085.5	2.99	3.93	3.28	-20.8	-26.8	-34.3	0.41		
4.5	22.72	2102.1	2095.6	2091.1	2.96	3.97	3.39	-20.7	-26.0	-34.2	0.37		
4.8	22.80	2107.8	2101.3	2096.8	2.93	3.95	3.46	-20.8	-25.5	-34.3	0.33		
5.0	22.80	2113.6	2107.0	2102.4	3.04	3.88	3.49	-21.1	-25.5	-35.4	0.29		
5.3	22.78	2119.4	2112.7	2108.1	3.10	3.96	3.43	-21.4	-25.6	-36.0	0.26		
5.5	22.75	2125.1	2118.4	2113.7	3.14	4.09	3.30	-21.7	-25.7	-36.7	0.23		
5.8	22.50	2130.7	2124.0	2119.2	3.16	4.15	3.42	-21.9	-25.7	-37.0	0.19		
6.0	22.22	2136.3	2129.6	2124.8	3.18	4.17	3.58	-22.0	-25.9	-37.3	0.19		
6.3	21.82	2141.9	2135.0	2130.2	3.15	4.15	3.65	-21.9	-25.8	-36.8	0.17		
6.5	21.29	2147.2	2140.3	2135.5	3.10	4.10	3.65	-21.8	-25.1	-36.8	0.17		
6.8	20.10	2152.1	2145.4	2140.6	3.00	4.05	3.66	-21.5	-24.6	-36.7	0.15		
7.0	19.56	2156.7	2150.3	2145.6	3.18	4.11	3.77	-20.7	-24.2	-37.1	-0.02		