

Voltage Controlled Oscillator

ROS-EDR6142

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	19.84	2006.9	2001.1	1997.1	4.45	3.71	2.26	-28.9	-37.1	-38.6	0.20	1	-85
0.5	18.69	2011.5	2005.7	2001.9	4.54	3.87	2.37	-28.5	-37.4	-39.7	0.19	10	-109
0.8	17.97	2016.0	2010.2	2006.3	4.60	4.01	2.53	-27.7	-36.4	-39.8	0.19	100	-129
1.0	17.67	2020.4	2014.6	2010.7	4.64	4.11	2.67	-26.7	-35.0	-38.9	0.19	1000	-145
1.3	17.64	2024.8	2019.0	2015.1	4.65	4.20	2.80	-25.8	-33.9	-38.0	0.19		
1.5	17.76	2029.3	2023.5	2019.5	4.62	4.26	2.90	-24.9	-33.1	-37.9	0.18		
1.8	18.04	2033.9	2028.0	2024.0	4.61	4.27	3.00	-24.3	-32.4	-37.4	0.18		
2.0	18.43	2038.6	2032.6	2028.5	4.72	4.24	3.06	-24.2	-31.7	-37.3	0.17		
2.3	18.97	2043.4	2037.3	2033.2	4.83	4.31	3.07	-24.4	-31.8	-37.8	0.17		
2.5	19.63	2048.4	2042.3	2037.9	4.93	4.47	3.11	-24.8	-32.4	-38.2	0.17		
2.8	20.20	2053.5	2047.3	2042.9	5.00	4.61	3.27	-25.1	-32.7	-38.4	0.16		
3.0	20.74	2058.8	2052.5	2048.0	5.05	4.72	3.45	-25.3	-33.4	-38.3	0.15		
3.3	21.32	2064.2	2057.8	2053.2	5.08	4.82	3.61	-25.5	-33.9	-38.2	0.15		
3.5	21.83	2069.8	2063.3	2058.6	5.09	4.88	3.75	-25.6	-33.8	-37.6	0.13		
3.8	22.26	2075.4	2068.8	2064.1	5.05	4.93	3.86	-25.0	-32.8	-36.5	0.12		
4.0	22.58	2081.1	2074.5	2069.7	4.99	4.93	3.94	-23.9	-31.2	-35.9	0.10		
4.3	22.80	2086.9	2080.2	2075.3	5.11	4.86	3.99	-23.0	-30.3	-35.9	0.08		
4.5	23.03	2092.7	2085.9	2081.0	5.27	4.91	3.97	-22.6	-30.5	-35.6	0.06		
4.8	23.23	2098.6	2091.8	2086.7	5.38	5.10	4.01	-22.1	-30.0	-35.1	0.05		
5.0	23.19	2104.4	2097.6	2092.5	5.42	5.24	4.19	-21.8	-29.1	-34.9	0.03		
5.3	23.10	2110.2	2103.3	2098.2	5.41	5.32	4.36	-21.8	-28.5	-35.2	0.01		
5.5	22.92	2115.9	2109.1	2103.9	5.31	5.34	4.48	-21.8	-28.4	-35.9	-0.01		
5.8	22.59	2121.6	2114.7	2109.5	5.23	5.28	4.55	-21.8	-28.5	-35.7	-0.03		
6.0	22.19	2127.2	2120.3	2115.1	5.42	5.14	4.57	-22.1	-28.4	-35.2	-0.04		
6.3	21.78	2132.7	2125.7	2120.5	5.58	5.25	4.50	-22.8	-28.9	-34.7	-0.06		
6.5	21.62	2137.9	2131.1	2125.9	5.79	5.57	4.53	-22.6	-28.8	-34.5	-0.12		
6.8	22.85	2143.8	2136.8	2131.5	6.02	5.82	4.87	-21.7	-27.9	-33.6	-0.19		
7.0	23.50	2149.7	2142.7	2137.3	6.00	5.91	5.10	-20.9	-27.0	-33.3	-0.17		