

Voltage Controlled Oscillator

ROS-EDR5059

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	53.26	1884.5	1871.6	1862.9	4.15	4.52	4.16	-21.0	-31.0	-27.8	-0.69	1	-71
0.5	41.42	1893.8	1882.0	1874.1	4.18	4.60	4.26	-21.3	-31.2	-28.4	-0.39	10	-95
0.8	36.89	1902.7	1891.2	1883.2	4.13	4.58	4.32	-21.4	-31.4	-27.4	-0.27	100	-116
1.0	33.50	1910.5	1899.6	1891.4	4.16	4.57	4.37	-21.4	-31.8	-27.5	-0.18	1000	-139
1.3	30.36	1917.8	1907.2	1898.9	4.15	4.58	4.42	-22.1	-32.3	-28.3	-0.13		
1.5	28.52	1924.8	1914.3	1906.5	4.17	4.58	4.43	-22.5	-32.4	-28.3	-0.09		
1.8	27.84	1931.5	1921.3	1913.5	4.19	4.58	4.51	-22.5	-31.6	-29.1	-0.07		
2.0	26.78	1938.3	1928.0	1920.1	4.16	4.57	4.57	-22.5	-31.2	-29.0	-0.04		
2.3	25.81	1944.9	1934.4	1926.7	4.15	4.57	4.61	-22.5	-31.6	-29.5	-0.01		
2.5	25.17	1951.1	1940.7	1932.9	4.17	4.56	4.63	-22.5	-32.3	-29.4	0.00		
2.8	25.76	1957.2	1947.1	1939.2	4.15	4.53	4.61	-22.4	-32.6	-28.9	0.02		
3.0	25.02	1963.2	1953.4	1945.5	4.12	4.54	4.56	-22.3	-32.5	-29.5	0.02		
3.3	23.60	1969.0	1959.3	1951.7	4.11	4.59	4.58	-22.9	-32.3	-29.8	0.01		
3.5	22.94	1975.0	1965.0	1957.5	4.09	4.63	4.64	-23.0	-33.1	-30.0	0.00		
3.8	23.01	1980.9	1970.8	1963.3	4.10	4.61	4.64	-23.3	-34.0	-30.9	-0.02		
4.0	22.66	1986.6	1976.5	1968.8	4.12	4.59	4.66	-23.4	-34.5	-30.6	-0.03		
4.3	21.83	1991.9	1981.9	1974.2	4.14	4.55	4.68	-23.7	-34.9	-31.0	-0.06		
4.5	21.06	1997.2	1987.2	1979.6	4.12	4.51	4.66	-24.0	-35.1	-32.1	-0.08		
4.8	20.32	2002.3	1992.3	1984.9	4.09	4.48	4.67	-23.9	-34.9	-31.9	-0.11		
5.0	19.82	2007.1	1997.2	1989.9	4.06	4.46	4.70	-24.0	-35.4	-32.4	-0.15		
5.3	19.00	2011.8	2002.0	1994.5	4.02	4.44	4.73	-24.1	-35.7	-32.5	-0.18		
5.5	17.39	2016.4	2006.3	1998.8	3.97	4.44	4.74	-24.4	-36.4	-32.0	-0.20		
5.8	16.07	2020.7	2010.3	2003.1	3.96	4.45	4.73	-24.6	-36.9	-32.2	-0.23		
6.0	14.94	2024.5	2014.1	2006.9	3.98	4.45	4.72	-25.0	-37.5	-32.8	-0.24		
6.3	13.86	2028.0	2017.5	2010.5	3.99	4.48	4.74	-25.2	-37.9	-32.9	-0.24		
6.5	12.95	2031.3	2020.8	2013.9	3.98	4.48	4.73	-25.5	-38.3	-33.5	-0.25		
6.8	12.22	2034.3	2023.8	2017.2	3.95	4.49	4.71	-25.5	-39.1	-33.3	-0.24		
7.0	11.44	2037.2	2026.7	2020.1	3.96	4.48	4.70	-25.6	-38.9	-33.3	-0.22		