

Voltage Controlled Oscillator

ROS-ED10332/1

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			
0.2	28.45	1885.9	1879.0	1872.1	-0.06	0.55	0.47	-29.6	-29.5	-39.9	0.83	1	-80
0.4	27.70	1891.4	1884.5	1877.7	0.00	0.61	0.61	-29.6	-28.8	-40.6	0.82	10	-104
0.6	27.35	1896.9	1890.0	1883.2	0.04	0.68	0.68	-30.0	-27.7	-41.3	0.86	100	-124
0.8	27.84	1902.5	1895.6	1888.7	0.11	0.73	0.75	-30.0	-27.5	-41.5	0.89	1000	-142
1.0	28.81	1908.3	1901.3	1894.4	0.10	0.77	0.82	-29.6	-27.8	-41.6	0.86		
1.2	29.87	1914.4	1907.3	1900.2	0.13	0.83	0.85	-30.0	-27.1	-40.8	0.84		
1.4	31.52	1920.9	1913.6	1906.4	0.09	0.84	0.92	-29.7	-26.4	-41.8	0.91		
1.6	33.64	1927.9	1920.3	1913.0	0.10	0.80	0.94	-30.2	-26.4	-42.0	0.91		
1.8	36.40	1935.4	1927.6	1920.0	0.09	0.82	0.92	-29.8	-26.0	-41.0	0.91		
2.0	38.84	1943.3	1935.4	1927.6	0.03	0.82	0.93	-30.0	-26.4	-42.1	0.96		
2.2	41.38	1951.9	1943.7	1935.7	0.00	0.77	0.94	-29.9	-26.2	-43.1	0.91		
2.4	44.37	1961.1	1952.5	1944.2	-0.10	0.68	0.91	-30.2	-26.3	-41.9	0.93		
2.6	46.55	1970.7	1961.8	1953.3	-0.18	0.65	0.84	-30.2	-27.3	-42.0	0.88		
2.8	48.13	1980.7	1971.5	1962.8	-0.18	0.59	0.77	-30.5	-26.6	-41.4	0.75		
3.0	49.44	1990.9	1981.4	1972.4	-0.25	0.59	0.77	-30.6	-27.6	-41.6	0.65		
3.2	49.01	2000.9	1991.2	1982.1	-0.21	0.52	0.78	-31.0	-26.9	-41.9	0.45		
3.4	47.70	2010.7	2000.7	1991.6	-0.12	0.57	0.72	-31.0	-26.5	-41.4	0.16		
3.6	45.65	2019.8	2009.8	2000.7	-0.01	0.66	0.77	-31.1	-26.1	-41.5	0.10		
3.8	42.60	2028.4	2018.4	2009.2	0.11	0.77	0.86	-31.2	-25.2	-41.1	0.26		
4.0	38.85	2036.1	2026.1	2017.0	0.19	0.85	0.98	-30.7	-25.0	-40.8	0.46		
4.2	34.90	2043.0	2033.1	2024.1	0.30	0.98	1.06	-31.4	-24.6	-40.8	0.56		
4.4	31.00	2049.0	2039.3	2030.4	0.36	1.05	1.14	-31.5	-23.9	-41.1	0.56		
4.6	27.00	2054.2	2044.7	2035.9	0.43	1.13	1.22	-31.4	-23.7	-40.2	0.40		
4.8	23.50	2058.7	2049.4	2040.7	0.49	1.18	1.28	-31.7	-23.4	-41.5	0.30		
5.0	20.10	2062.5	2053.4	2044.9	0.49	1.25	1.34	-31.4	-22.9	-40.0	0.16		
5.2	17.40	2065.8	2056.9	2048.5	0.50	1.26	1.38	-31.8	-22.6	-41.9	0.00		
5.4	15.00	2068.6	2059.9	2051.6	0.55	1.32	1.39	-31.4	-22.3	-43.5	0.22		
5.6	12.85	2071.0	2062.5	2054.3	0.55	1.32	1.46	-31.7	-21.9	-43.1	0.30		
5.8	11.40	2073.2	2064.8	2056.6	0.53	1.32	1.47	-31.6	-21.9	-44.0	0.40		
6.0	10.15	2075.1	2066.8	2058.7	0.54	1.33	1.52	-31.2	-22.0	-45.3	0.56		
6.2	9.00	2076.8	2068.6	2060.6	0.54	1.38	1.53	-31.6	-21.8	-43.7	0.64		
6.4	7.95	2078.3	2070.2	2062.2	0.58	1.39	1.54	-31.8	-21.7	-45.3	0.70		
6.6	7.40	2079.7	2071.7	2063.7	0.58	1.39	1.54	-31.7	-21.6	-44.8	0.74		
6.8	6.60	2080.9	2073.0	2065.1	0.58	1.37	1.54	-31.8	-21.4	-45.1	0.74		
7.0	6.15	2082.1	2074.2	2066.4	0.59	1.37	1.55	-31.7	-21.3	-45.6	0.80		
7.2	5.65	2083.2	2075.3	2067.5	0.52	1.38	1.60	-31.6	-21.3	-44.3	0.78		
7.4	5.35	2084.2	2076.4	2068.6	0.52	1.38	1.60	-31.9	-21.1	-45.7	0.84		
7.6	4.85	2085.2	2077.4	2069.6	0.52	1.38	1.61	-31.7	-21.0	-43.9	0.84		
7.8	4.65	2086.1	2078.3	2070.6	0.53	1.42	1.61	-31.8	-21.0	-43.3	0.88		
8.0	4.35	2086.9	2079.2	2071.4	0.53	1.42	1.61	-31.4	-21.0	-44.1	0.10		