

Voltage Controlled Oscillator

ROS-EDR5597/1

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			
0.5	29.68	1640.2	1629.1	1622.1	8.13	7.49	7.00	-23.0	-18.0	-26.6	0.22	1	-77
1.0	25.63	1652.5	1641.9	1635.1	8.07	7.48	7.01	-23.7	-18.3	-26.7	0.27	10	-101
1.5	23.52	1664.2	1653.7	1647.0	7.97	7.46	7.05	-24.5	-18.1	-26.5	0.32	100	-123
2.0	22.78	1675.8	1665.1	1658.2	7.82	7.43	7.06	-25.1	-18.5	-26.2	0.35	1000	-142
2.5	22.50	1687.1	1676.3	1669.4	7.79	7.37	7.03	-25.5	-18.0	-25.6	0.31		
3.0	22.16	1698.4	1687.4	1680.6	7.66	7.37	6.98	-26.1	-18.3	-25.5	0.29		
3.5	22.26	1709.9	1698.6	1691.7	7.59	7.32	6.98	-27.3	-18.3	-25.9	0.24		
4.0	22.93	1721.5	1710.0	1703.1	7.50	7.28	6.94	-27.9	-18.6	-26.3	0.24		
4.5	23.60	1733.4	1721.8	1714.9	7.44	7.22	6.92	-27.6	-19.5	-26.7	0.27		
5.0	24.40	1745.5	1734.0	1727.3	7.32	7.19	6.87	-26.8	-19.6	-27.2	0.31		
5.5	25.49	1758.3	1746.8	1740.1	7.19	7.13	6.82	-26.4	-20.4	-28.6	0.34		
6.0	27.55	1771.9	1760.5	1753.9	7.03	7.01	6.74	-25.9	-21.1	-32.8	0.27		
6.5	30.01	1786.5	1775.5	1768.5	6.93	6.84	6.65	-25.4	-21.6	-37.9	0.23		
7.0	31.73	1802.8	1791.4	1784.2	6.73	6.74	6.57	-25.1	-21.5	-45.8	0.24		
7.5	33.96	1820.5	1808.4	1800.5	6.49	6.59	6.51	-23.8	-21.3	-46.9	0.32		
8.0	35.52	1838.5	1826.2	1818.0	6.45	6.53	6.38	-22.9	-21.0	-43.3	0.34		
8.5	35.76	1856.8	1844.0	1835.9	6.39	6.55	6.36	-22.1	-20.6	-41.9	0.29		
9.0	36.99	1875.8	1862.5	1854.1	6.28	6.53	6.41	-21.3	-20.0	-41.5	0.34		
9.5	38.15	1895.2	1881.6	1872.9	6.21	6.50	6.35	-20.1	-18.6	-41.3	0.35		
10.0	39.70	1915.5	1901.5	1892.3	6.13	6.41	6.32	-19.8	-18.1	-41.6	0.25		
10.5	40.64	1935.5	1921.8	1912.6	6.24	6.35	6.27	-18.8	-17.3	-39.1	0.22		
11.0	40.21	1955.5	1941.9	1932.6	6.23	6.39	6.37	-18.1	-16.4	-37.9	0.39		
11.5	39.74	1975.8	1961.8	1952.3	6.16	6.41	6.39	-17.8	-15.7	-37.1	0.37		
12.0	39.81	1996.0	1981.7	1972.3	6.07	6.42	6.40	-17.3	-15.6	-35.8	0.15		
12.5	40.58	2016.3	2002.0	1992.3	6.03	6.37	6.36	-16.7	-15.4	-34.5	0.20		
13.0	40.67	2036.4	2022.3	2012.4	5.95	6.39	6.26	-16.3	-15.4	-32.8	0.39		
13.5	39.75	2056.5	2042.2	2032.1	6.02	6.38	6.30	-16.0	-16.0	-32.8	0.30		
14.0	39.17	2076.0	2061.8	2051.9	6.06	6.42	6.35	-15.2	-16.0	-32.0	0.10		
14.5	37.92	2095.1	2080.7	2071.0	6.06	6.42	6.37	-14.6	-15.9	-31.3	0.13		
15.0	37.89	2114.0	2099.7	2089.6	6.08	6.40	6.45	-14.4	-15.5	-30.8	0.23		
15.5	36.78	2132.6	2118.0	2107.9	6.10	6.43	6.48	-14.1	-15.7	-31.2	0.19		
16.0	36.05	2150.8	2136.1	2125.7	6.16	6.42	6.48	-13.6	-15.6	-31.5	0.05		
16.5	34.92	2168.2	2153.5	2143.1	6.25	6.46	6.57	-13.1	-15.3	-29.2	-0.02		
17.0	33.30	2185.0	2170.2	2159.7	6.37	6.50	6.66	-13.0	-15.7	-29.1	-0.02		
17.5	31.82	2201.0	2186.1	2175.5	6.37	6.59	6.76	-12.8	-16.1	-29.6	-0.05		
18.0	30.33	2215.8	2201.3	2190.4	6.50	6.66	6.87	-12.3	-16.2	-28.9	-0.07		