

Voltage Controlled Oscillator

ROS-EDR6214/1

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	36.62	1420.9	1413.0	1404.8	10.32	9.13	8.08	-12.6	-20.5	-28.5	0.69	1	-82
1.0	33.45	1437.4	1429.7	1421.7	10.15	8.95	7.90	-12.8	-19.9	-27.9	0.69	10	-106
1.5	32.83	1453.7	1446.2	1438.3	9.96	8.79	7.79	-13.2	-19.7	-27.5	0.67	100	-126
2.0	33.30	1470.4	1462.8	1455.1	9.66	8.58	7.66	-13.6	-19.3	-27.3	0.64	1000	-146
2.5	34.97	1487.9	1480.3	1472.3	9.34	8.29	7.46	-13.8	-18.7	-26.7	0.59		
3.0	36.37	1506.1	1498.5	1490.5	9.07	8.02	7.22	-14.3	-18.2	-26.1	0.52		
3.5	36.90	1524.4	1516.9	1509.1	8.85	7.84	7.06	-14.9	-17.8	-26.1	0.44		
4.0	36.77	1542.6	1535.3	1527.6	8.63	7.68	6.95	-15.5	-17.4	-25.8	0.37		
4.5	36.43	1561.0	1553.5	1545.9	8.34	7.48	6.82	-16.3	-17.1	-25.4	0.26		
5.0	36.64	1579.2	1571.8	1564.2	8.10	7.31	6.68	-17.1	-16.6	-25.1	0.20		
5.5	35.85	1597.2	1589.8	1582.2	7.86	7.13	6.55	-18.4	-16.3	-24.8	0.15		
6.0	35.14	1614.6	1607.3	1599.8	7.74	6.98	6.41	-19.3	-16.0	-24.8	0.14		
6.5	33.81	1631.6	1624.2	1616.8	7.60	6.92	6.36	-20.4	-15.8	-25.0	0.11		
7.0	33.33	1648.3	1640.9	1633.4	7.47	6.83	6.29	-21.7	-15.6	-25.1	0.09		
7.5	32.59	1664.6	1657.2	1649.8	7.33	6.72	6.23	-22.8	-15.7	-25.1	0.08		
8.0	32.14	1680.8	1673.3	1665.8	7.18	6.63	6.15	-24.1	-15.7	-24.9	0.08		
8.5	32.06	1696.8	1689.3	1681.6	7.09	6.53	6.06	-25.2	-15.9	-25.1	0.07		
9.0	31.52	1712.7	1705.1	1697.3	7.00	6.50	6.03	-26.3	-16.1	-25.5	0.09		
9.5	31.07	1728.4	1720.6	1712.8	6.93	6.46	6.01	-27.4	-16.3	-25.8	0.09		
10.0	30.38	1743.6	1735.8	1728.0	6.90	6.45	6.00	-27.7	-16.5	-26.1	0.09		
10.5	29.71	1758.6	1750.6	1742.9	6.83	6.41	5.99	-26.2	-17.1	-27.1	0.07		
11.0	29.92	1773.5	1765.6	1757.8	6.75	6.34	5.93	-24.3	-18.5	-28.3	0.07		
11.5	29.66	1788.3	1780.4	1772.7	6.65	6.27	5.88	-22.8	-20.2	-31.3	0.08		
12.0	29.75	1803.1	1795.3	1787.4	6.54	6.19	5.85	-21.6	-22.1	-33.5	0.10		
12.5	29.46	1817.9	1810.0	1801.9	6.51	6.12	5.79	-20.5	-22.9	-36.3	0.14		
13.0	28.68	1832.4	1824.4	1816.2	6.44	6.11	5.76	-19.7	-22.5	-37.7	0.16		
13.5	28.22	1846.7	1838.5	1830.0	6.43	6.07	5.76	-19.3	-21.6	-38.0	0.19		
14.0	27.52	1860.5	1852.3	1843.7	6.46	6.10	5.75	-18.6	-20.8	-37.5	0.20		
14.5	26.78	1874.1	1865.6	1857.0	6.45	6.12	5.79	-18.0	-20.1	-37.2	0.19		
15.5	25.90	1900.3	1891.7	1882.9	6.48	6.07	5.74	-17.4	-18.8	-34.9	0.20		
16.0	25.06	1913.0	1904.3	1895.5	6.48	6.11	5.75	-17.3	-18.5	-35.1	0.20		
17.0	24.03	1937.2	1928.6	1919.6	6.60	6.17	5.83	-17.0	-18.1	-33.6	0.18		
17.5	23.24	1948.9	1940.2	1931.2	6.58	6.19	5.82	-16.2	-18.0	-33.5	0.17		
18.5	22.27	1971.5	1962.7	1953.6	6.64	6.26	5.92	-15.3	-17.6	-32.7	0.12		
19.0	21.66	1982.3	1973.5	1964.4	6.64	6.27	5.93	-14.9	-17.5	-31.9	0.10		
20.0	20.37	2003.1	1994.2	1984.9	6.62	6.27	5.97	-14.4	-17.5	-32.1	0.01		
20.5	19.69	2012.9	2004.0	1994.7	6.66	6.26	5.95	-14.1	-17.3	-32.0	-0.04		
21.5	18.22	2031.5	2022.5	2013.3	6.70	6.32	5.98	-13.6	-17.5	-31.6	-0.16		
22.0	17.56	2040.4	2031.3	2021.9	6.71	6.34	6.01	-13.4	-17.4	-31.8	-0.21		