

Voltage Controlled Oscillator

ROS-EDR5780

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	35.07	1619.5	1612.7	1606.9	1.56	1.58	1.33	-25.5	-40.6	-32.4	0.26	1	-76
0.5	32.51	1627.6	1620.8	1615.3	1.50	1.52	1.30	-25.7	-38.7	-32.6	0.26	10	-101
0.8	31.74	1635.5	1628.7	1623.4	1.43	1.46	1.25	-25.9	-39.7	-32.3	0.19	100	-122
1.0	32.00	1643.5	1636.7	1631.4	1.36	1.39	1.19	-26.3	-38.7	-32.6	0.32	1000	-139
1.3	32.77	1651.7	1644.9	1639.4	1.29	1.33	1.13	-26.7	-38.5	-32.2	0.26		
1.5	34.56	1660.4	1653.6	1647.9	1.21	1.26	1.06	-27.2	-37.0	-32.1	0.32		
1.8	36.61	1669.7	1662.7	1657.1	1.11	1.17	0.99	-27.7	-36.4	-32.7	0.38		
2.0	39.94	1679.9	1672.7	1666.8	0.98	1.06	0.90	-28.2	-34.7	-32.9	0.45		
2.3	44.03	1691.3	1683.7	1677.5	0.82	0.91	0.78	-28.9	-33.8	-32.8	0.51		
2.5	48.90	1703.8	1695.9	1689.3	0.63	0.75	0.63	-29.5	-32.0	-32.5	0.58		
2.8	51.71	1717.0	1708.9	1702.2	0.42	0.56	0.48	-29.9	-31.1	-32.3	0.32		
3.0	53.50	1730.5	1722.2	1715.5	0.21	0.38	0.31	-30.8	-29.2	-32.8	0.06		
3.3	54.02	1744.2	1735.7	1729.0	0.03	0.19	0.15	-31.0	-28.3	-32.0	-0.19		
3.5	52.99	1757.4	1749.0	1742.2	-0.13	0.03	-0.03	-31.9	-26.9	-31.8	-0.58		
3.8	50.43	1770.0	1761.6	1754.9	-0.25	-0.09	-0.16	-32.1	-26.7	-32.4	-0.77		
4.0	45.82	1781.6	1773.1	1766.6	-0.43	-0.21	-0.27	-32.8	-26.1	-33.8	-1.02		
4.3	41.22	1791.8	1783.4	1776.8	-0.57	-0.35	-0.37	-32.7	-25.8	-33.9	-1.09		
4.5	34.56	1800.3	1792.0	1785.5	-0.67	-0.45	-0.48	-32.9	-25.8	-34.2	-0.96		
4.8	27.39	1807.0	1798.8	1792.4	-0.74	-0.53	-0.57	-32.8	-25.0	-34.7	-0.64		
5.0	20.48	1812.0	1804.0	1797.9	-0.80	-0.60	-0.64	-33.7	-24.7	-35.4	-0.45		
5.3	15.10	1815.7	1807.7	1801.7	-0.85	-0.64	-0.67	-33.2	-24.6	-35.3	-0.13		
5.5	10.66	1818.2	1810.4	1804.5	-0.88	-0.68	-0.71	-33.1	-25.0	-35.4	0.02		
5.8	7.56	1820.0	1812.3	1806.5	-0.90	-0.70	-0.73	-33.2	-25.1	-36.3	0.16		
6.0	5.59	1821.3	1813.7	1807.3	-0.92	-0.72	-0.75	-33.7	-25.1	-36.4	0.28		
6.3	4.10	1822.2	1814.7	1809.0	-0.92	-0.73	-0.76	-33.6	-25.4	-36.5	0.32		
6.5	3.33	1823.0	1815.6	1809.9	-0.94	-0.74	-0.77	-33.6	-25.3	-36.3	0.38		
6.8	2.30	1823.6	1816.1	1810.6	-0.95	-0.74	-0.78	-33.5	-25.3	-36.3	0.32		
7.0	2.45	1824.1	1816.7	1811.1	-0.96	-0.75	-0.78	-33.9	-25.0	-36.4	0.36		