

Voltage Controlled Oscillator

ROS-EDR5358/2

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	32.74	1562.0	1552.8	1545.8	-1.01	-0.12	-0.62	-14.4	-29.1	-36.7	-0.76	1	-82
0.5	30.07	1569.4	1560.4	1553.4	-0.94	-0.05	-0.55	-14.4	-28.5	-36.3	-0.85	10	-105
0.8	28.90	1576.6	1567.6	1560.7	-0.95	-0.04	-0.50	-14.5	-28.3	-36.1	-0.93	100	-125
1.0	28.91	1583.9	1574.8	1567.8	-0.95	-0.02	-0.45	-14.8	-28.3	-36.4	-1.02	1000	-145
1.3	28.54	1591.0	1581.9	1574.7	-0.94	0.04	-0.39	-15.0	-28.4	-35.8	-1.03		
1.5	28.28	1598.2	1589.0	1581.6	-0.91	0.07	-0.33	-15.0	-27.8	-35.4	-1.09		
1.8	28.52	1605.2	1596.1	1588.5	-0.87	0.12	-0.27	-15.0	-27.6	-35.4	-1.13		
2.0	28.87	1612.5	1603.4	1595.5	-0.91	0.15	-0.20	-15.2	-27.6	-35.1	-1.20		
2.3	29.92	1620.2	1610.8	1602.7	-0.96	0.16	-0.12	-15.6	-27.9	-34.4	-1.28		
2.5	30.73	1628.2	1618.5	1610.0	-0.97	0.20	-0.07	-16.0	-27.4	-34.3	-1.31		
2.8	31.44	1636.4	1626.4	1617.6	-0.98	0.24	-0.03	-16.2	-27.1	-34.1	-1.35		
3.0	31.86	1644.6	1634.4	1625.2	-0.91	0.26	0.02	-16.5	-27.7	-32.8	-1.35		
3.3	31.79	1652.4	1642.3	1632.9	-0.94	0.28	0.06	-16.8	-27.7	-33.6	-1.41		
3.5	33.34	1661.2	1650.6	1640.7	-1.03	0.31	0.11	-17.4	-27.3	-33.1	-1.47		
3.8	33.48	1669.9	1659.0	1648.6	-0.97	0.41	0.21	-17.7	-26.9	-31.6	-1.43		
4.0	33.49	1678.8	1667.4	1656.6	-0.89	0.51	0.29	-18.1	-28.2	-32.2	-1.44		
4.3	33.33	1687.5	1675.7	1664.7	-0.68	0.61	0.37	-18.0	-27.2	-31.8	-1.37		
4.5	31.89	1695.2	1683.7	1672.5	-0.56	0.66	0.43	-17.7	-26.6	-31.2	-1.39		
4.8	31.27	1703.1	1691.5	1680.2	-0.52	0.74	0.48	-17.5	-27.6	-31.3	-1.36		
5.0	30.37	1710.7	1699.1	1687.7	-0.48	0.76	0.56	-17.0	-27.3	-31.3	-1.39		
5.3	30.85	1718.4	1706.8	1695.1	-0.51	0.78	0.62	-16.9	-26.3	-31.9	-1.51		
5.5	31.85	1726.5	1714.8	1702.3	-0.52	0.81	0.66	-17.1	-25.7	-32.2	-1.59		
5.8	30.22	1734.7	1722.3	1709.5	-0.50	0.87	0.69	-17.2	-26.7	-31.7	-1.60		
6.0	30.29	1742.4	1729.9	1716.5	-0.43	0.91	0.74	-17.6	-25.5	-32.4	-1.78		
6.3	30.62	1750.2	1737.6	1723.4	-0.40	0.95	0.79	-18.0	-24.6	-32.6	-1.84		
6.5	29.53	1757.8	1744.9	1730.4	-0.31	1.01	0.84	-18.3	-24.8	-31.2	-1.74		
6.8	28.43	1765.0	1752.0	1737.1	-0.26	1.09	0.90	-18.8	-25.2	-32.2	-1.88		
7.0	28.57	1772.5	1759.2	1743.5	-0.16	1.20	0.96	-19.1	-24.8	-33.0	-1.83		