

Voltage Controlled Oscillator

ROS-EDR5581

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	38.04	1632.5	1627.5	1621.6	1.46	-0.99	-3.42	-16.7	-31.8	-55.0	-0.03	1	-83
0.5	34.72	1641.2	1636.2	1630.4	1.41	-0.96	-3.37	-16.4	-32.0	-53.0	-0.02	10	-105
0.8	33.12	1649.6	1644.5	1638.6	1.32	-0.99	-3.21	-16.4	-31.5	-53.4	-0.01	100	-125
1.0	32.51	1657.9	1652.6	1646.6	1.33	-0.98	-3.18	-16.4	-31.4	-52.8	0.00	1000	-145
1.3	32.60	1666.2	1660.8	1654.6	1.30	-0.97	-3.24	-16.4	-31.0	-52.6	0.01		
1.5	32.82	1674.6	1669.0	1662.6	1.28	-0.96	-3.34	-16.5	-30.8	-51.1	0.01		
1.8	33.12	1683.1	1677.2	1670.8	1.28	-0.95	-3.40	-16.5	-30.5	-49.9	0.02		
2.0	33.62	1691.7	1685.6	1679.0	1.21	-0.99	-3.26	-16.3	-30.2	-49.1	0.02		
2.3	34.25	1700.6	1694.2	1687.4	1.22	-0.98	-3.26	-16.3	-29.4	-48.3	0.02		
2.5	35.58	1709.7	1703.1	1696.0	1.23	-1.00	-3.28	-16.2	-29.4	-47.9	0.02		
2.8	36.20	1719.0	1712.2	1704.8	1.21	-0.99	-3.36	-16.2	-29.2	-48.1	0.02		
3.0	37.16	1728.5	1721.4	1713.9	1.19	-1.04	-3.34	-16.2	-29.1	-45.9	0.01		
3.3	37.67	1738.0	1730.9	1723.2	1.06	-1.06	-3.46	-16.2	-28.9	-46.2	0.00		
3.5	38.23	1747.8	1740.4	1732.6	1.07	-1.18	-3.61	-16.0	-28.2	-45.0	-0.02		
3.8	38.98	1757.6	1750.2	1742.0	1.06	-1.20	-3.58	-16.1	-28.9	-44.2	-0.05		
4.0	38.96	1767.5	1759.9	1751.7	1.15	-1.14	-3.66	-16.2	-29.1	-44.5	-0.08		
4.3	39.47	1777.4	1769.8	1761.4	1.07	-1.11	-3.72	-16.5	-29.4	-43.4	-0.12		
4.5	39.45	1787.3	1779.6	1771.1	0.98	-1.26	-3.87	-16.9	-29.6	-42.9	-0.17		
4.8	39.19	1797.0	1789.4	1780.8	0.85	-1.37	-3.99	-17.0	-30.4	-42.8	-0.21		
5.0	38.74	1806.8	1799.1	1790.5	0.75	-1.52	-4.38	-16.8	-31.4	-42.5	-0.26		
5.3	38.71	1816.6	1808.8	1800.1	0.71	-1.62	-4.29	-16.3	-31.4	-43.5	-0.31		
5.5	38.87	1826.2	1818.5	1809.5	0.56	-1.72	-4.57	-16.1	-32.2	-43.7	-0.35		
5.8	37.98	1835.6	1828.0	1818.9	0.42	-1.86	-4.81	-16.1	-33.8	-44.7	-0.39		
6.0	37.36	1845.1	1837.3	1828.3	0.29	-2.07	-5.32	-15.8	-34.4	-45.5	-0.43		
6.3	37.01	1854.4	1846.6	1837.3	0.10	-2.23	-5.55	-16.0	-34.8	-46.1	-0.46		
6.5	36.70	1863.8	1855.8	1846.2	0.12	-2.48	-5.83	-15.8	-35.0	-48.5	-0.48		
6.8	36.73	1872.9	1865.0	1855.0	0.12	-2.55	-6.35	-15.8	-38.2	-48.9	-0.51		
7.0	35.91	1881.8	1873.9	1863.6	0.05	-2.59	-6.85	-15.9	-38.0	-46.1	-0.51		