

Voltage Controlled Oscillator

ROS-EDR4870/1

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			
0.3	25.60	1655.1	1648.6	1646.5	3.26	0.24	-1.46	-27.0	-30.3	-47.4	-0.11	1	-82
0.5	23.84	1660.9	1654.5	1652.5	3.23	0.32	-1.33	-26.7	-29.9	-47.6	-0.10	10	-105
0.8	22.98	1666.7	1660.3	1658.2	3.07	0.38	-1.21	-26.7	-30.0	-47.6	-0.10	100	-125
1.0	22.65	1672.3	1665.9	1663.8	2.79	0.39	-1.14	-26.5	-30.5	-48.0	-0.09	1000	-144
1.3	22.62	1677.9	1671.6	1669.5	3.04	0.32	-1.12	-26.2	-29.9	-47.5	-0.09		
1.5	22.60	1683.8	1677.2	1675.2	3.27	0.27	-1.20	-25.8	-29.9	-47.8	-0.08		
1.8	23.00	1689.7	1683.0	1680.9	3.26	0.38	-1.13	-26.0	-29.8	-50.6	-0.08		
2.0	23.71	1695.8	1688.9	1686.7	3.14	0.47	-0.99	-25.8	-29.3	-49.9	-0.08		
2.3	24.46	1702.0	1695.0	1692.7	2.88	0.54	-0.91	-25.9	-29.1	-49.4	-0.07		
2.5	25.03	1708.2	1701.3	1698.9	2.62	0.62	-0.87	-25.6	-29.5	-50.7	-0.07		
2.8	25.60	1714.9	1707.7	1705.2	2.97	0.67	-0.92	-25.6	-29.1	-48.7	-0.07		
3.0	26.14	1721.6	1714.2	1711.6	3.02	0.72	-1.04	-25.8	-29.7	-50.5	-0.07		
3.3	26.58	1728.4	1720.9	1718.1	2.89	0.72	-0.93	-25.9	-30.0	-51.7	-0.08		
3.5	26.65	1735.1	1727.5	1724.8	2.62	0.66	-0.81	-25.9	-29.1	-50.5	-0.08		
3.8	26.67	1741.8	1734.2	1731.5	3.03	0.83	-0.63	-26.0	-29.4	-50.2	-0.09		
4.0	29.16	1749.5	1741.5	1738.6	3.30	1.18	-0.43	-26.1	-28.9	-49.8	-0.12		
4.3	29.84	1757.0	1748.9	1746.0	3.15	1.23	-0.34	-26.0	-28.8	-50.5	-0.13		
4.5	29.01	1764.2	1756.2	1753.2	2.93	1.26	-0.29	-26.3	-29.1	-50.8	-0.13		
4.8	28.58	1771.4	1763.3	1760.4	2.70	1.26	-0.26	-26.3	-28.9	-52.4	-0.14		
5.0	28.32	1778.5	1770.4	1767.5	3.04	1.24	-0.29	-26.4	-29.6	-51.4	-0.14		
5.3	28.15	1785.6	1777.5	1774.5	3.01	1.17	-0.44	-26.4	-28.8	-50.9	-0.15		
5.5	27.69	1792.7	1784.4	1781.4	2.87	1.00	-0.36	-26.1	-28.9	-52.3	-0.16		
5.8	27.27	1799.7	1791.2	1788.2	2.66	0.97	-0.32	-26.2	-29.3	-52.6	-0.16		
6.0	27.10	1806.4	1798.0	1795.0	2.56	1.04	-0.33	-26.5	-29.7	-54.1	-0.17		
6.3	26.95	1813.2	1804.7	1801.7	2.76	1.06	-0.37	-26.8	-30.7	-54.0	-0.17		
6.5	26.60	1820.0	1811.4	1808.3	2.69	1.08	-0.50	-26.9	-31.1	-53.4	-0.17		
6.8	26.19	1826.6	1817.9	1814.8	2.50	1.07	-0.46	-26.8	-31.7	-52.4	-0.17		
7.0	25.90	1833.2	1824.4	1821.2	2.25	1.04	-0.44	-26.8	-31.8	-52.0	-0.18		