

Voltage Controlled Oscillator

ROS-EDR5308

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	23.65	1600.6	1596.6	1592.7	0.33	-1.05	-2.52	-17.1	-29.9	-50.3	-0.24	1	-83
0.5	21.94	1606.0	1602.1	1598.3	0.26	-1.08	-2.53	-16.9	-30.1	-49.8	-0.23	10	-105
0.8	21.03	1611.2	1607.4	1603.5	0.16	-1.18	-2.56	-16.7	-30.1	-51.2	-0.23	100	-125
1.0	20.61	1616.4	1612.5	1608.6	0.09	-1.33	-2.63	-16.5	-29.8	-50.5	-0.22	1000	-143
1.3	20.38	1621.6	1617.6	1613.7	0.07	-1.41	-2.72	-16.4	-29.5	-49.2	-0.22		
1.5	20.59	1626.8	1622.8	1618.8	0.08	-1.40	-2.79	-16.6	-29.1	-49.1	-0.22		
1.8	20.88	1632.2	1628.0	1623.9	0.10	-1.35	-2.84	-17.2	-29.1	-50.8	-0.22		
2.0	21.38	1637.7	1633.4	1629.2	0.12	-1.33	-2.87	-17.7	-29.3	-52.0	-0.22		
2.3	21.92	1643.3	1638.8	1634.5	0.14	-1.33	-2.90	-18.3	-29.6	-58.5	-0.22		
2.5	22.54	1649.1	1644.5	1640.1	0.12	-1.35	-2.94	-18.5	-30.1	-66.4	-0.22		
2.8	23.19	1655.0	1650.3	1645.7	0.01	-1.42	-2.99	-18.5	-30.2	-59.1	-0.22		
3.0	23.83	1661.1	1656.2	1651.6	-0.13	-1.56	-3.02	-18.1	-29.8	-54.8	-0.22		
3.3	24.28	1667.4	1662.3	1657.5	-0.17	-1.66	-3.04	-17.9	-29.6	-51.8	-0.22		
3.5	24.88	1673.7	1668.5	1663.7	-0.11	-1.62	-3.06	-17.8	-29.4	-57.0	-0.23		
3.8	25.50	1680.2	1674.9	1669.9	0.01	-1.53	-3.06	-17.8	-29.7	-62.3	-0.24		
4.0	26.27	1687.0	1681.5	1676.4	0.07	-1.46	-3.04	-18.0	-29.5	-56.7	-0.25		
4.3	27.11	1693.9	1688.2	1683.1	-0.18	-1.51	-3.04	-18.5	-29.3	-56.4	-0.26		
4.5	26.40	1700.3	1694.8	1689.7	-0.42	-1.74	-3.16	-19.1	-29.2	-55.6	-0.25		
4.8	25.96	1706.9	1701.3	1696.1	-0.59	-1.95	-3.26	-19.1	-29.4	-56.0	-0.25		
5.0	25.96	1713.5	1707.8	1702.6	-0.62	-2.09	-3.40	-19.2	-28.8	-56.7	-0.26		
5.3	26.00	1720.0	1714.3	1709.1	-0.58	-2.11	-3.63	-19.2	-28.3	-59.7	-0.27		
5.5	26.00	1726.6	1720.8	1715.5	-0.56	-2.11	-3.81	-19.3	-28.3	-55.7	-0.27		
5.8	25.78	1733.1	1727.3	1721.9	-0.57	-2.13	-3.86	-19.4	-27.9	-51.9	-0.28		
6.0	25.64	1739.6	1733.7	1728.2	-0.63	-2.16	-3.87	-19.3	-27.4	-51.2	-0.28		
6.3	25.40	1746.0	1740.0	1734.5	-0.75	-2.22	-3.87	-19.3	-27.8	-54.2	-0.29		
6.5	25.18	1752.3	1746.3	1740.7	-0.89	-2.34	-3.90	-19.1	-27.6	-55.6	-0.29		
6.8	24.94	1758.6	1752.5	1746.9	-0.91	-2.46	-3.97	-19.3	-26.9	-51.5	-0.29		
7.0	24.58	1764.8	1758.7	1753.0	-0.84	-2.49	-4.05	-19.7	-26.6	-49.8	-0.29		