

Voltage Controlled Oscillator

ROS-EDR5106

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	23.62	1639.3	1633.8	1630.9	6.10	5.83	4.82	-21.9	-21.3	-36.8	-0.35	1	-78
0.5	21.82	1644.7	1639.2	1636.3	6.12	5.87	4.86	-22.0	-20.9	-36.7	-0.34	10	-99
0.8	21.01	1650.0	1644.5	1641.6	6.13	5.90	4.87	-22.1	-21.1	-36.6	-0.34	100	-120
1.0	20.65	1655.2	1649.6	1646.7	6.11	5.95	4.88	-21.9	-20.9	-36.9	-0.33	1000	-141
1.3	20.42	1660.3	1654.7	1651.9	6.10	5.98	4.87	-21.8	-20.7	-37.3	-0.33		
1.5	20.62	1665.6	1659.9	1657.0	6.09	5.97	4.83	-21.9	-20.6	-37.3	-0.33		
1.8	20.91	1670.9	1665.1	1662.2	6.08	5.94	4.82	-21.8	-20.1	-36.8	-0.33		
2.0	21.27	1676.4	1670.4	1667.4	6.05	5.89	4.80	-21.7	-19.8	-36.6	-0.32		
2.3	21.70	1682.0	1675.9	1672.8	6.04	5.83	4.74	-21.4	-19.8	-36.8	-0.33		
2.5	22.30	1687.7	1681.4	1678.3	6.01	5.77	4.64	-21.3	-19.7	-36.6	-0.33		
2.8	22.81	1693.6	1687.1	1684.0	6.02	5.73	4.57	-21.2	-19.8	-36.6	-0.33		
3.0	23.26	1699.6	1693.0	1689.8	6.06	5.70	4.50	-21.2	-19.6	-36.5	-0.34		
3.3	23.68	1705.7	1698.9	1695.7	6.06	5.68	4.46	-21.0	-19.5	-36.6	-0.35		
3.5	23.78	1711.7	1704.8	1701.5	6.04	5.64	4.48	-21.0	-19.2	-35.7	-0.36		
3.8	22.96	1717.4	1710.6	1707.3	6.11	5.64	4.48	-21.0	-19.2	-35.2	-0.38		
4.0	23.66	1723.7	1716.5	1713.2	6.11	5.60	4.53	-20.9	-19.6	-34.5	-0.43		
4.3	25.38	1730.3	1722.8	1719.7	6.01	5.43	4.40	-20.9	-20.1	-34.5	-0.44		
4.5	25.34	1736.7	1729.2	1726.3	5.92	5.24	4.19	-20.9	-20.1	-35.4	-0.43		
4.8	25.44	1743.0	1735.5	1732.9	5.87	5.03	3.95	-20.8	-20.2	-36.2	-0.35		
5.0	25.71	1749.2	1741.9	1739.5	5.81	4.84	3.75	-20.5	-19.9	-34.5	-0.26		
5.3	25.85	1755.4	1748.4	1746.0	5.74	4.60	3.54	-20.2	-19.3	-34.0	-0.20		
5.5	26.10	1761.5	1754.9	1752.6	5.67	4.31	3.30	-19.6	-19.3	-34.2	-0.17		
5.8	25.91	1767.6	1761.4	1759.1	5.59	3.99	3.06	-19.1	-19.1	-34.1	-0.14		
6.0	25.80	1773.5	1767.9	1765.5	5.49	3.68	2.81	-18.5	-18.9	-34.2	-0.12		
6.3	25.63	1779.5	1774.3	1772.0	5.39	3.37	2.49	-17.9	-19.9	-32.5	-0.10		
6.5	25.34	1785.5	1780.6	1778.3	5.21	3.07	2.19	-17.6	-19.8	-31.4	-0.08		
6.8	25.13	1791.8	1786.9	1784.6	5.00	2.76	1.85	-17.0	-20.5	-31.0	-0.05		
7.0	24.92	1798.1	1793.1	1790.9	4.73	2.49	1.53	-16.2	-20.5	-31.3	-0.02		