

Voltage Controlled Oscillator

ROS-EDR5309

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	39.24	1670.3	1665.6	1662.6	0.52	-0.62	-2.80	-17.2	-29.7	-39.7	-0.10	1	-81
0.5	35.91	1679.4	1674.6	1671.7	0.64	-0.55	-2.62	-16.9	-29.3	-39.7	-0.09	10	-104
0.8	34.74	1688.1	1683.3	1680.3	0.68	-0.35	-2.52	-17.3	-29.4	-41.0	-0.07	100	-123
1.0	34.08	1696.8	1691.8	1688.8	0.55	-0.24	-2.47	-17.8	-29.6	-42.0	-0.08	1000	-141
1.3	33.76	1705.3	1700.3	1697.1	0.32	-0.21	-2.51	-18.2	-30.7	-41.7	-0.07		
1.5	34.08	1714.0	1708.8	1705.4	0.51	-0.20	-2.59	-18.3	-30.3	-42.5	-0.06		
1.8	34.48	1722.8	1717.4	1713.8	0.59	-0.21	-2.42	-18.3	-29.1	-42.1	-0.05		
2.0	35.08	1731.9	1726.2	1722.4	0.63	-0.35	-2.30	-18.2	-29.1	-42.7	-0.05		
2.3	35.60	1741.1	1735.1	1731.2	0.60	-0.32	-2.25	-18.2	-29.8	-43.3	-0.04		
2.5	36.77	1750.5	1744.3	1740.2	0.43	-0.30	-2.25	-18.4	-28.9	-42.5	-0.04		
2.8	37.70	1760.2	1753.7	1749.5	0.46	-0.33	-2.35	-18.5	-29.5	-43.2	-0.04		
3.0	38.84	1770.1	1763.4	1758.9	0.53	-0.36	-2.35	-18.7	-29.9	-43.3	-0.04		
3.3	39.52	1780.2	1773.3	1768.6	0.49	-0.46	-2.26	-18.6	-28.7	-46.6	-0.05		
3.5	40.02	1790.5	1783.3	1778.5	0.36	-0.70	-2.20	-18.0	-29.0	-44.5	-0.06		
3.8	40.96	1800.8	1793.5	1788.6	-0.02	-0.56	-2.20	-18.4	-28.8	-46.5	-0.08		
4.0	41.27	1811.3	1803.8	1798.8	0.15	-0.49	-2.42	-18.8	-30.3	-47.2	-0.10		
4.3	41.93	1821.8	1814.3	1809.0	0.16	-0.47	-2.45	-18.8	-29.6	-46.5	-0.12		
4.5	42.14	1832.4	1824.9	1819.4	0.04	-0.54	-2.43	-18.7	-29.3	-45.5	-0.15		
4.8	41.46	1842.9	1835.2	1829.8	-0.19	-0.76	-2.43	-18.4	-30.4	-45.3	-0.18		
5.0	41.54	1853.3	1845.6	1840.1	-0.14	-0.64	-2.49	-19.0	-31.6	-44.3	-0.21		
5.3	41.54	1863.8	1856.0	1850.3	-0.09	-0.54	-2.59	-19.4	-33.4	-43.9	-0.24		
5.5	41.22	1874.1	1866.3	1860.5	-0.09	-0.54	-2.61	-19.9	-32.9	-42.8	-0.26		
5.8	40.92	1884.3	1876.5	1870.6	-0.10	-0.54	-2.61	-19.8	-34.2	-42.1	-0.30		
6.0	40.35	1894.5	1886.6	1880.6	-0.28	-0.55	-2.63	-19.9	-35.1	-42.5	-0.32		
6.3	39.56	1904.5	1896.5	1890.5	-0.31	-0.60	-2.66	-19.5	-36.4	-43.8	-0.34		
6.5	39.34	1914.4	1906.3	1900.2	-0.28	-0.47	-2.83	-19.9	-37.7	-41.6	-0.37		
6.8	38.91	1924.3	1916.1	1909.8	-0.37	-0.44	-2.84	-20.0	-37.3	-42.1	-0.39		
7.0	38.62	1934.0	1925.7	1919.4	-0.55	-0.50	-2.88	-20.2	-39.4	-42.2	-0.41		