

Voltage Controlled Oscillator

ROS-EDR5811

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	40.99	1706.6	1698.5	1692.7	3.26	2.66	1.62	-21.7	-39.2	-53.4	-0.76	1	-83
0.5	35.86	1715.1	1707.4	1702.0	3.17	2.67	1.60	-21.8	-38.5	-54.6	-0.62	10	-106
0.8	32.31	1723.1	1715.5	1710.4	2.97	2.53	1.65	-21.6	-39.1	-53.3	-0.54	100	-128
1.0	30.59	1730.8	1723.1	1718.1	2.89	2.36	1.59	-21.6	-38.6	-49.5	-0.48	1000	-146
1.3	29.63	1737.9	1730.6	1725.3	2.91	2.30	1.45	-21.5	-39.5	-47.5	-0.44		
1.5	27.74	1744.8	1737.5	1732.3	2.98	2.40	1.31	-21.4	-40.0	-47.8	-0.38		
1.8	26.58	1751.3	1744.1	1739.1	2.99	2.46	1.33	-21.5	-41.1	-48.7	-0.38		
2.0	25.48	1757.7	1750.5	1745.6	2.97	2.41	1.39	-21.6	-41.2	-44.5	-0.36		
2.3	25.00	1763.9	1756.8	1751.9	2.85	2.39	1.44	-21.6	-40.0	-42.3	-0.36		
2.5	24.33	1770.2	1762.8	1758.0	2.65	2.37	1.42	-21.7	-41.0	-43.3	-0.36		
2.8	24.20	1776.3	1768.9	1763.9	2.65	2.27	1.36	-21.9	-41.7	-43.8	-0.32		
3.0	24.19	1782.1	1774.9	1769.7	2.60	2.14	1.23	-21.9	-43.8	-42.2	-0.30		
3.3	23.38	1788.0	1780.8	1775.6	2.51	2.12	1.07	-22.0	-44.6	-38.6	-0.32		
3.5	23.13	1793.9	1786.6	1781.4	2.57	1.94	0.97	-22.0	-42.8	-39.1	-0.30		
3.8	23.22	1799.6	1792.4	1787.2	2.61	1.94	0.92	-22.3	-42.2	-38.8	-0.32		
4.0	22.86	1805.2	1798.1	1792.8	2.52	2.04	0.84	-22.4	-41.7	-39.2	-0.32		
4.3	22.23	1810.9	1803.6	1798.5	2.33	2.04	0.89	-22.1	-43.5	-38.3	-0.32		
4.5	22.28	1816.6	1809.2	1804.1	2.14	1.84	0.87	-21.8	-45.4	-38.7	-0.32		
4.8	22.46	1822.4	1814.8	1809.6	2.04	1.55	0.75	-21.1	-45.8	-38.7	-0.30		
5.0	22.78	1828.1	1820.5	1815.1	1.97	1.41	0.57	-21.0	-47.1	-39.6	-0.30		
5.3	22.80	1833.8	1826.2	1820.7	1.98	1.27	0.39	-20.7	-45.9	-39.3	-0.28		
5.5	22.64	1839.5	1831.9	1826.3	2.04	1.34	0.21	-20.7	-46.0	-40.5	-0.28		
5.8	22.75	1845.2	1837.6	1831.9	1.97	1.46	0.09	-20.7	-48.2	-40.8	-0.28		
6.0	22.60	1850.9	1843.2	1837.6	1.89	1.30	0.09	-20.3	-49.7	-41.8	-0.26		
6.3	22.60	1856.6	1848.9	1843.3	1.78	1.18	0.14	-20.2	-51.9	-42.2	-0.26		
6.5	22.84	1862.5	1854.6	1848.9	1.64	1.15	0.07	-20.1	-53.5	-42.8	-0.26		
6.8	23.00	1868.5	1860.3	1854.5	1.59	1.05	-0.03	-20.3	-50.7	-43.2	-0.22		
7.0	23.57	1874.3	1866.2	1860.2	1.56	0.99	-0.19	-20.5	-52.3	-43.6	-0.20		