

Voltage Controlled Oscillator

ROS-EDR5633/1

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			
0.5	25.42	1606.7	1603.4	1600.6	6.02	5.38	3.55	-15.0	-19.7	-37.8	-0.08	1	-87
1.0	21.12	1616.6	1614.0	1611.3	6.10	5.07	3.29	-14.7	-19.4	-38.9	-0.08	10	-113
1.5	18.80	1625.8	1623.4	1620.8	6.06	5.03	3.36	-15.4	-19.4	-39.3	-0.08	100	-131
2.0	17.67	1634.3	1632.2	1629.7	6.00	5.02	3.38	-15.9	-19.6	-38.5	-0.08	1000	-149
2.5	16.85	1642.6	1640.6	1638.1	5.82	4.99	3.37	-16.4	-19.5	-39.4	-0.09		
3.0	16.28	1650.6	1648.8	1646.2	5.77	4.90	3.29	-16.8	-19.4	-39.7	-0.09		
3.5	15.80	1658.5	1656.7	1654.0	5.73	4.78	3.22	-17.0	-19.4	-39.8	-0.09		
4.0	15.57	1666.2	1664.4	1661.8	5.64	4.80	3.26	-17.5	-19.3	-39.8	-0.09		
4.5	15.43	1674.0	1672.2	1669.4	5.46	4.78	3.28	-17.7	-19.1	-41.4	-0.09		
5.0	15.25	1681.6	1679.8	1677.0	5.23	4.79	3.30	-17.5	-18.8	-41.6	-0.10		
5.5	15.55	1689.7	1687.6	1684.6	5.56	4.97	3.41	-17.4	-18.4	-42.6	-0.12		
6.0	16.77	1698.0	1695.9	1692.9	5.21	4.64	3.28	-17.6	-18.0	-44.0	-0.11		
6.5	16.03	1706.1	1704.0	1700.9	5.06	4.57	3.17	-18.2	-17.8	-45.1	-0.10		
7.0	16.16	1714.3	1712.0	1708.9	4.95	4.54	3.15	-18.4	-17.9	-44.2	-0.10		
7.5	16.49	1722.6	1720.3	1717.1	4.66	4.50	3.08	-18.2	-17.8	-48.8	-0.10		
8.0	16.87	1731.1	1728.7	1725.4	4.48	4.36	2.93	-18.0	-17.4	-52.8	-0.10		
8.5	17.22	1739.9	1737.3	1733.9	4.39	4.15	2.80	-18.1	-16.7	-47.7	-0.10		
9.0	17.74	1748.9	1746.2	1742.6	4.29	4.13	2.79	-18.1	-16.1	-43.3	-0.10		
9.5	18.24	1758.2	1755.3	1751.6	4.08	4.07	2.71	-18.2	-15.9	-43.3	-0.10		
10.0	18.78	1767.7	1764.7	1760.9	3.92	4.02	2.68	-18.1	-15.2	-41.0	-0.11		
10.5	19.14	1777.4	1774.3	1770.3	3.96	3.81	2.45	-17.9	-14.2	-38.3	-0.14		
11.0	19.36	1787.3	1784.0	1780.0	3.88	3.73	2.45	-18.5	-13.9	-38.0	-0.17		
11.5	19.45	1797.2	1793.7	1789.6	3.81	3.73	2.44	-18.6	-13.0	-37.0	-0.23		
12.0	19.09	1806.9	1803.2	1799.1	3.42	3.62	2.35	-17.6	-12.9	-35.9	-0.32		