

Voltage Controlled Oscillator

ROS-EDR5187

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	23.96	1659.1	1655.9	1653.8	-3.70	-0.73	-2.93	-29.0	-33.2	-52.0	-0.04	1	-83
0.5	22.30	1664.6	1661.5	1659.4	-3.31	-0.68	-2.93	-29.1	-33.3	-51.8	-0.03	10	-105
0.8	21.44	1670.0	1666.8	1664.7	-2.96	-0.67	-2.91	-29.0	-33.5	-51.9	-0.03	100	-124
1.0	20.98	1675.3	1672.1	1669.8	-2.59	-0.69	-2.75	-28.8	-33.0	-51.7	-0.03	1000	-145
1.3	20.73	1680.6	1677.2	1675.0	-2.26	-0.65	-2.67	-28.7	-32.9	-52.1	-0.03		
1.5	20.96	1686.0	1682.5	1680.2	-1.99	-0.55	-2.58	-28.8	-33.3	-53.0	-0.03		
1.8	21.38	1691.5	1687.8	1685.5	-1.80	-0.46	-2.51	-28.8	-32.9	-52.3	-0.02		
2.0	21.86	1697.1	1693.3	1690.9	-1.65	-0.38	-2.50	-28.9	-32.6	-52.6	-0.02		
2.3	22.38	1702.8	1698.9	1696.4	-1.44	-0.32	-2.49	-28.9	-33.0	-52.1	-0.02		
2.5	23.01	1708.7	1704.6	1702.0	-1.30	-0.28	-2.63	-29.0	-32.8	-51.6	-0.02		
2.8	23.66	1714.8	1710.6	1707.7	-1.22	-0.25	-2.57	-29.0	-32.3	-52.2	-0.02		
3.0	24.30	1721.0	1716.6	1713.6	-1.25	-0.25	-2.49	-29.0	-32.3	-51.5	-0.02		
3.3	24.88	1727.4	1722.9	1719.7	-1.16	-0.30	-2.43	-29.0	-32.2	-52.0	-0.02		
3.5	25.28	1733.9	1729.2	1725.9	-1.07	-0.38	-2.36	-29.0	-31.5	-52.5	-0.02		
3.8	25.46	1740.5	1735.5	1732.2	-1.04	-0.37	-2.34	-29.2	-31.7	-53.3	-0.02		
4.0	25.57	1746.9	1741.9	1738.6	-1.04	-0.31	-2.23	-29.4	-31.5	-52.3	-0.03		
4.3	25.60	1753.3	1748.3	1745.0	-0.50	-0.12	-2.12	-29.4	-31.4	-51.8	-0.03		
4.5	27.44	1760.6	1755.2	1751.7	-0.10	0.19	-1.90	-29.2	-31.5	-51.7	-0.05		
4.8	28.34	1767.7	1762.3	1758.6	-0.15	0.22	-1.77	-28.9	-30.9	-51.3	-0.05		
5.0	27.59	1774.7	1769.2	1765.5	-0.29	0.15	-1.75	-28.9	-30.9	-51.5	-0.05		
5.3	27.15	1781.5	1776.0	1772.2	-0.24	0.08	-1.73	-28.9	-30.9	-51.6	-0.05		
5.5	26.84	1788.3	1782.7	1778.9	-0.18	-0.01	-1.77	-29.0	-30.8	-51.5	-0.05		
5.8	26.40	1795.0	1789.3	1785.5	-0.15	-0.10	-1.74	-29.1	-31.0	-51.0	-0.05		
6.0	26.07	1801.6	1795.8	1792.0	-0.26	-0.10	-1.86	-29.3	-31.0	-51.9	-0.06		
6.3	25.83	1808.1	1802.2	1798.4	-0.25	-0.07	-2.04	-29.7	-31.4	-52.3	-0.06		
6.5	25.59	1814.6	1808.6	1804.7	-0.23	-0.07	-2.10	-29.9	-32.0	-53.6	-0.06		
6.8	25.33	1821.0	1815.0	1810.9	-0.25	-0.07	-2.07	-30.3	-32.3	-52.8	-0.06		
7.0	25.02	1827.4	1821.2	1817.1	-0.31	-0.08	-2.03	-30.4	-32.7	-54.4	-0.06		
7.3	24.76	1833.6	1827.4	1823.2	-0.26	-0.09	-2.08	-30.3	-33.3	-52.7	-0.06		
7.5	24.48	1839.8	1833.5	1829.2	-0.22	-0.14	-2.11	-30.2	-33.7	-53.4	-0.06		
7.8	24.14	1845.9	1839.6	1835.2	-0.21	-0.22	-2.20	-30.1	-34.2	-51.1	-0.06		
8.0	23.78	1852.0	1845.5	1841.1	-0.27	-0.26	-2.31	-29.9	-34.9	-51.1	-0.06		