

Voltage Controlled Oscillator

ROS-ED9579/1

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			
0.2	29.05	1687.3	1679.8	1676.8	3.56	3.95	3.81	-22.0	-20.9	-30.3	0.70	1	-84
0.3	27.56	1691.3	1684.0	1680.8	3.61	4.00	3.82	-21.9	-20.6	-30.0	0.74	10	-105
0.5	26.53	1695.2	1688.0	1684.7	3.68	4.04	3.86	-21.8	-20.4	-30.2	0.74	100	-125
0.6	25.90	1699.0	1691.8	1688.4	3.75	4.07	3.91	-21.7	-20.3	-30.3	0.74	1000	-145
0.8	25.52	1702.8	1695.7	1692.1	3.84	4.14	3.92	-21.6	-20.2	-30.2	0.79		
0.9	24.78	1706.5	1699.4	1695.8	3.87	4.22	4.00	-21.5	-20.1	-30.3	0.75		
1.1	25.07	1710.3	1703.1	1699.4	3.94	4.31	4.07	-21.5	-19.9	-30.2	0.79		
1.2	25.20	1714.1	1706.9	1703.0	4.02	4.34	4.16	-21.4	-19.8	-30.1	0.75		
1.4	25.06	1717.9	1710.7	1706.7	4.09	4.42	4.19	-21.4	-19.6	-30.3	0.79		
1.5	25.31	1721.7	1714.5	1710.3	4.10	4.49	4.26	-21.3	-19.4	-30.4	0.79		
1.7	25.48	1725.6	1718.3	1714.0	4.18	4.57	4.34	-21.2	-19.4	-30.6	0.79		
1.8	25.95	1729.5	1722.2	1717.8	4.24	4.59	4.41	-21.1	-19.5	-30.7	0.82		
2.0	26.02	1733.5	1726.1	1721.6	4.29	4.66	4.43	-21.0	-19.3	-30.7	0.82		
2.1	26.31	1737.5	1730.0	1725.4	4.33	4.72	4.51	-21.0	-19.2	-30.8	0.82		
2.3	26.67	1741.6	1734.0	1729.3	4.34	4.77	4.57	-21.1	-19.1	-31.0	0.79		
2.4	27.25	1745.7	1738.1	1733.3	4.38	4.82	4.61	-20.9	-18.9	-30.7	0.84		
2.6	26.97	1749.8	1742.2	1737.3	4.41	4.82	4.62	-20.9	-18.9	-30.9	0.83		
2.7	27.85	1754.1	1746.4	1741.3	4.43	4.86	4.67	-20.8	-18.8	-30.7	0.81		
2.9	27.99	1758.4	1750.6	1745.4	4.45	4.89	4.70	-20.7	-18.7	-30.5	0.81		
3.0	28.42	1762.7	1754.8	1749.6	4.46	4.91	4.73	-20.7	-18.6	-30.8	0.77		
3.2	28.63	1767.0	1759.1	1753.8	4.48	4.93	4.75	-20.5	-18.5	-30.8	0.77		
3.3	28.72	1771.4	1763.4	1758.0	4.50	4.95	4.77	-20.4	-18.4	-31.2	0.73		
3.5	29.09	1775.8	1767.8	1762.3	4.50	4.96	4.79	-20.4	-18.2	-31.4	0.73		
3.6	29.31	1780.2	1772.2	1766.6	4.50	4.99	4.81	-20.3	-17.9	-31.5	0.68		
3.8	29.22	1784.6	1776.6	1771.0	4.50	5.00	4.83	-20.3	-17.9	-31.1	0.66		
3.9	29.17	1789.1	1780.9	1775.3	4.46	4.99	4.83	-20.2	-18.0	-31.5	0.64		
4.1	29.23	1793.5	1785.3	1779.6	4.45	4.98	4.82	-20.0	-17.7	-31.3	0.58		
4.2	29.08	1797.8	1789.7	1783.9	4.40	4.95	4.81	-19.9	-17.6	-31.3	0.56		
4.4	29.01	1802.2	1794.0	1788.2	4.42	4.94	4.78	-19.7	-17.5	-31.0	0.49		
4.5	28.95	1806.6	1798.4	1792.5	4.39	4.89	4.76	-19.7	-17.5	-31.2	0.49		
4.7	28.85	1810.9	1802.7	1796.8	4.33	4.85	4.78	-19.6	-17.5	-31.1	0.42		
4.8	28.92	1815.2	1807.0	1801.1	4.30	4.86	4.73	-19.6	-17.5	-31.1	0.42		
5.0	28.57	1819.5	1811.3	1805.3	4.28	4.80	4.69	-19.5	-17.4	-31.2	0.37		
5.1	28.29	1823.8	1815.6	1809.6	4.26	4.77	4.63	-19.7	-17.3	-31.1	0.33		
5.3	28.31	1828.0	1819.8	1813.8	4.24	4.75	4.59	-19.7	-17.3	-31.5	0.23		
5.4	27.74	1832.2	1824.0	1817.9	4.27	4.73	4.56	-19.6	-17.4	-31.5	0.18		
5.6	27.58	1836.3	1828.1	1822.0	4.28	4.71	4.58	-19.3	-17.3	-31.2	0.15		