

Voltage Controlled Oscillator

UOS-EDR5476/6

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	36.68	1493.5	1490.6	1487.6	1.89	1.48	1.02	-30.8	-35.4	-48.0	-0.17	1	-80
0.5	33.79	1501.9	1499.1	1496.2	1.80	1.41	0.96	-31.6	-35.7	-47.9	-0.16	10	-101
0.8	32.34	1510.1	1507.1	1504.3	1.68	1.32	0.90	-32.3	-35.8	-47.6	-0.15	100	-122
1.0	32.87	1518.5	1515.4	1512.2	1.55	1.23	0.85	-33.1	-36.4	-48.2	-0.14	1000	-143
1.3	33.20	1526.9	1523.7	1520.3	1.47	1.18	0.81	-34.2	-36.6	-48.2	-0.13		
1.5	33.70	1535.4	1532.1	1528.6	1.42	1.15	0.80	-35.2	-36.7	-48.3	-0.13		
1.8	33.64	1543.8	1540.5	1537.0	1.36	1.12	0.78	-36.2	-37.2	-48.2	-0.12		
2.0	33.81	1552.5	1549.0	1545.5	1.23	1.03	0.74	-37.4	-37.5	-48.4	-0.12		
2.3	35.55	1561.6	1557.8	1554.0	1.13	0.96	0.67	-38.2	-37.9	-48.5	-0.11		
2.5	36.63	1570.9	1567.0	1562.9	1.03	0.88	0.61	-39.4	-38.3	-48.8	-0.11		
2.8	37.02	1580.1	1576.3	1572.1	0.95	0.81	0.53	-40.4	-38.3	-49.0	-0.11		
3.0	36.65	1589.6	1585.4	1581.4	0.84	0.73	0.47	-40.9	-38.8	-49.1	-0.12		
3.3	38.21	1599.3	1595.0	1590.5	0.76	0.67	0.42	-41.4	-39.4	-48.7	-0.12		
3.5	38.94	1609.2	1604.7	1600.0	0.75	0.65	0.37	-41.7	-39.5	-49.5	-0.13		
3.8	39.23	1618.9	1614.5	1609.7	0.76	0.67	0.38	-42.0	-40.0	-49.5	-0.13		
4.0	37.89	1628.5	1624.0	1619.4	0.71	0.64	0.35	-41.4	-40.7	-50.0	-0.14		
4.3	38.15	1638.3	1633.5	1628.8	0.61	0.56	0.28	-41.0	-40.8	-50.7	-0.15		
4.5	38.66	1648.1	1643.2	1638.1	0.57	0.50	0.20	-40.9	-41.4	-51.5	-0.16		
4.8	38.42	1657.5	1652.8	1647.6	0.57	0.50	0.16	-40.8	-42.0	-51.2	-0.16		
5.0	36.60	1666.8	1661.9	1657.1	0.57	0.49	0.14	-40.6	-42.1	-51.8	-0.16		
5.3	36.73	1676.2	1671.1	1666.2	0.53	0.45	0.09	-40.3	-43.0	-52.7	-0.17		
5.5	36.78	1685.5	1680.3	1675.1	0.48	0.38	-0.03	-40.3	-43.4	-52.8	-0.17		
5.8	36.62	1694.7	1689.5	1684.1	0.49	0.37	-0.11	-40.1	-43.9	-53.1	-0.17		
6.0	35.52	1703.3	1698.4	1693.1	0.50	0.38	-0.17	-39.8	-44.3	-53.8	-0.17		
6.3	33.83	1712.1	1706.8	1702.0	0.45	0.33	-0.22	-39.6	-44.5	-55.0	-0.17		
6.5	34.51	1720.8	1715.4	1710.3	0.45	0.28	-0.33	-39.6	-45.6	-55.7	-0.17		
6.8	34.48	1729.5	1724.1	1718.8	0.47	0.28	-0.49	-39.5	-46.0	-56.2	-0.17		
7.0	34.18	1737.9	1732.6	1727.4	0.47	0.26	-0.64	-39.3	-46.2	-56.6	-0.17		