

Voltage Controlled Oscillator

UOS-EDR5476/2

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	61.28	1495.8	1488.9	1483.4	0.81	-0.24	-0.93	-40.9	-31.7	-39.7	-0.30	1	-78
0.5	53.47	1508.7	1502.3	1497.0	0.93	-0.05	-0.71	-44.7	-31.3	-39.6	-0.26	10	-103
0.8	48.16	1520.7	1514.3	1509.2	1.02	0.08	-0.46	-44.3	-32.1	-40.2	-0.24	100	-126
1.0	45.10	1531.9	1525.6	1520.5	1.12	0.24	-0.26	-46.6	-32.3	-40.4	-0.22	1000	-145
1.3	42.38	1542.5	1536.2	1531.2	1.15	0.39	-0.04	-44.7	-31.6	-40.2	-0.21		
1.5	40.26	1552.4	1546.3	1541.4	1.17	0.50	0.09	-49.6	-31.8	-39.5	-0.20		
1.8	38.12	1561.8	1555.8	1551.0	1.25	0.63	0.19	-51.3	-31.7	-38.3	-0.20		
2.0	36.79	1571.1	1565.0	1560.1	1.37	0.75	0.37	-50.8	-32.3	-37.2	-0.20		
2.3	35.84	1580.1	1574.0	1569.0	1.45	0.90	0.52	-48.3	-32.2	-36.3	-0.20		
2.5	34.96	1588.9	1582.7	1577.6	1.57	1.04	0.69	-44.6	-32.3	-35.7	-0.21		
2.8	33.84	1597.4	1591.2	1586.1	1.65	1.20	0.88	-44.4	-31.9	-35.4	-0.21		
3.0	33.10	1605.8	1599.4	1594.3	1.72	1.33	1.05	-44.5	-32.2	-35.2	-0.21		
3.3	32.48	1614.1	1607.6	1602.4	1.83	1.48	1.20	-44.1	-32.4	-35.2	-0.22		
3.5	32.16	1622.3	1615.6	1610.4	1.95	1.64	1.36	-46.1	-33.0	-35.7	-0.22		
3.8	31.85	1630.3	1623.6	1618.3	2.10	1.80	1.49	-45.1	-33.1	-36.1	-0.23		
4.0	31.24	1638.1	1631.4	1626.1	2.24	1.97	1.62	-44.1	-33.2	-36.1	-0.24		
4.3	30.73	1645.8	1639.1	1633.7	2.38	2.10	1.76	-44.4	-33.0	-36.6	-0.25		
4.5	30.38	1653.4	1646.7	1641.3	2.49	2.21	1.90	-44.7	-33.0	-36.7	-0.26		
4.8	30.27	1661.2	1654.2	1648.8	2.59	2.33	2.05	-43.8	-33.4	-37.2	-0.27		
5.0	30.50	1668.8	1661.8	1656.3	2.72	2.47	2.13	-43.2	-33.4	-37.1	-0.28		
5.3	29.98	1676.3	1669.3	1663.8	2.83	2.61	2.20	-44.6	-33.6	-38.1	-0.29		
5.5	29.76	1683.8	1676.8	1671.3	2.94	2.72	2.33	-44.5	-33.9	-37.5	-0.30		
5.8	29.70	1691.3	1684.2	1678.7	3.04	2.81	2.43	-44.0	-33.5	-38.3	-0.32		
6.0	29.67	1698.8	1691.6	1686.0	3.12	2.89	2.52	-44.1	-33.8	-38.0	-0.34		
6.3	29.75	1706.4	1699.1	1693.4	3.24	2.95	2.62	-43.9	-33.8	-38.0	-0.36		
6.5	30.19	1714.0	1706.6	1700.8	3.36	3.06	2.69	-43.0	-33.7	-38.6	-0.37		
6.8	30.02	1721.6	1714.1	1708.3	3.44	3.18	2.77	-42.6	-33.9	-38.4	-0.39		
7.0	29.92	1729.2	1721.6	1715.7	3.51	3.25	2.87	-42.5	-34.3	-38.7	-0.41		