

Voltage Controlled Oscillator

ROS-ED9562/1

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	51.82	766.6	736.7	718.0	12.29	11.67	11.21	-18.6	-14.1	-37.6	1.91	1	-74
1.0	95.16	814.0	784.2	766.2	12.64	11.47	10.66	-22.3	-15.4	-36.8	1.31	10	-100
1.5	92.76	858.4	830.6	813.5	12.60	11.63	11.16	-23.2	-15.2	-34.0	0.96	100	-122
2.0	96.61	903.7	878.9	862.8	12.12	11.57	10.83	-26.4	-19.0	-39.4	0.79	1000	-142
2.5	105.14	953.7	931.5	918.0	11.80	10.96	9.95	-25.4	-25.4	-51.3	0.71		
3.0	111.11	1005.3	987.0	976.3	11.61	10.34	8.95	-21.6	-31.4	-58.0	0.83		
3.5	115.57	1059.4	1044.8	1034.2	10.94	9.24	7.87	-19.1	-35.8	-46.6	0.90		
4.0	112.34	1116.0	1101.0	1090.1	9.44	8.20	7.14	-18.8	-34.8	-42.3	0.65		
4.5	107.31	1170.0	1154.7	1143.5	8.18	7.35	6.48	-19.5	-34.6	-41.3	0.48		
5.0	100.21	1220.3	1204.8	1193.7	7.28	6.79	6.07	-20.9	-36.3	-39.1	0.39		
5.5	96.12	1268.5	1252.8	1241.5	6.64	6.19	5.50	-24.4	-40.7	-38.2	0.28		
6.0	89.44	1313.3	1297.5	1286.0	6.31	5.92	5.42	-31.6	-47.5	-37.3	0.08		
6.5	83.11	1354.9	1339.1	1327.3	6.33	6.04	5.51	-30.6	-44.5	-35.9	0.03		
7.0	77.54	1393.4	1377.9	1366.2	6.33	5.99	5.49	-29.9	-39.5	-34.7	0.09		
7.5	72.92	1430.1	1414.3	1402.5	6.27	5.94	5.50	-29.8	-35.3	-33.7	0.12		
8.0	69.67	1464.9	1449.2	1437.2	6.27	5.96	5.45	-29.9	-33.8	-33.0	0.13		
8.5	65.53	1497.8	1481.9	1469.9	6.33	5.89	5.43	-30.4	-32.2	-32.7	0.15		
9.0	62.56	1529.3	1513.2	1500.9	6.61	6.15	5.51	-30.6	-31.5	-32.4	0.17		
9.5	60.00	1559.7	1543.2	1530.6	6.67	6.31	5.76	-30.4	-31.4	-32.1	0.19		
10.0	57.10	1588.5	1571.8	1559.0	6.94	6.42	5.81	-30.2	-33.6	-32.3	0.20		
10.5	54.24	1615.9	1598.9	1585.9	7.14	6.73	6.05	-30.1	-29.5	-32.8	0.22		
11.0	51.76	1642.4	1624.8	1611.5	7.21	6.83	6.29	-30.0	-29.2	-34.0	0.22		
11.5	50.00	1667.7	1649.8	1636.1	7.29	6.90	6.34	-30.7	-29.1	-36.0	0.23		
12.0	47.39	1691.6	1673.5	1659.6	7.56	7.02	6.38	-31.1	-28.7	-36.5	0.23		
12.5	44.80	1714.7	1695.9	1681.9	7.80	7.28	6.54	-31.4	-28.0	-37.3	0.26		
13.0	43.33	1737.1	1717.5	1703.0	7.93	7.48	6.79	-32.2	-27.3	-37.9	0.24		
13.5	41.82	1758.4	1738.4	1723.4	8.13	7.60	6.95	-33.2	-26.8	-37.4	0.24		
14.0	39.93	1778.6	1758.4	1743.0	8.42	7.77	7.05	-34.0	-26.1	-37.4	0.24		
14.5	37.61	1797.9	1777.2	1761.7	8.62	8.00	7.20	-35.0	-25.6	-37.2	0.22		
15.0	35.66	1816.5	1795.0	1779.2	8.75	8.24	7.45	-36.0	-25.1	-37.4	0.18		