

# Voltage Controlled Oscillator

# ROS-ED8455/1

## 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	111.30	1430.0	1403.7	1377.2	7.57	7.94	7.60	-17.8	-41.3	-43.8	3.12	1	-69
1.0	96.13	1479.7	1451.8	1424.9	6.95	7.53	7.24	-21.3	-39.0	-39.5	4.68	10	-92
1.5	88.76	1523.9	1496.2	1468.5	7.21	7.47	6.80	-24.5	-37.5	-37.7	5.35	100	-112
2.0	82.80	1566.8	1537.6	1510.2	7.59	7.64	6.79	-26.8	-36.7	-36.8	5.61	1000	-135
2.5	84.52	1609.7	1579.8	1551.0	7.75	7.85	7.17	-28.8	-36.0	-36.3	5.94		
3.0	83.74	1652.2	1621.7	1593.1	7.49	7.92	7.33	-31.0	-35.3	-35.7	5.76		
3.5	85.57	1696.4	1664.5	1634.5	7.78	7.58	7.27	-34.0	-34.7	-35.7	6.07		
4.0	86.76	1739.2	1707.9	1677.8	8.28	8.16	7.14	-37.3	-34.7	-36.7	5.54		
4.5	84.68	1782.9	1750.2	1719.7	8.51	8.45	7.75	-38.5	-35.5	-38.7	5.41		
5.0	84.55	1824.1	1792.5	1761.4	8.22	8.59	8.08	-35.8	-35.2	-40.3	4.85		
5.5	78.77	1864.8	1831.9	1801.4	8.50	8.36	7.96	-34.2	-34.5	-40.2	4.68		
6.0	76.91	1903.1	1870.3	1838.4	8.79	8.59	7.85	-33.2	-33.3	-43.5	4.71		
6.5	70.51	1939.2	1905.6	1874.0	9.16	8.93	8.06	-33.2	-31.8	-44.2	4.83		
7.0	65.47	1973.6	1938.3	1905.9	8.83	9.29	8.36	-34.2	-30.8	-43.7	5.49		
7.5	62.08	2004.5	1969.4	1935.5	8.74	8.95	8.72	-34.8	-29.8	-41.2	5.87		
8.0	55.68	2033.0	1997.2	1963.6	8.72	8.87	8.52	-36.3	-29.2	-40.7	6.03		

