

Voltage Controlled Oscillator

ROS-EDR8024

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			
0.0	117.97	579.3	564.3	548.9	4.54	5.24	3.84	-16.5	-19.8	-25.9	1.53	1	-64
0.5	97.12	638.9	623.3	605.9	4.91	5.70	5.38	-15.9	-17.0	-23.5	1.44	10	-96
1.0	86.86	688.4	671.9	653.2	5.31	5.98	5.63	-16.1	-15.6	-22.8	1.39	100	-119
1.5	81.68	732.8	715.3	695.5	5.65	6.33	5.91	-16.8	-14.9	-23.2	1.32	1000	-140
2.0	79.85	774.9	756.1	735.2	5.88	6.40	5.98	-17.2	-14.1	-23.9	1.30		
2.5	80.68	816.4	796.1	773.9	6.13	6.50	6.11	-17.3	-13.8	-25.1	1.28		
3.0	80.37	859.2	836.4	812.7	6.39	6.73	6.19	-17.6	-13.6	-25.9	1.26		
3.5	80.11	902.0	876.6	851.6	6.57	6.74	6.30	-17.1	-13.4	-26.6	1.19		
4.0	80.30	943.7	916.6	891.0	6.78	6.86	6.27	-16.7	-13.5	-28.5	1.09		
4.5	81.28	985.4	956.8	931.0	6.82	6.77	6.35	-15.9	-13.7	-30.4	1.08		
5.0	82.66	1027.2	997.4	972.1	6.96	6.79	6.24	-15.3	-14.4	-32.4	1.11		
5.5	83.65	1069.1	1038.7	1013.9	6.82	6.70	6.20	-14.6	-15.5	-30.5	1.24		
6.0	84.35	1110.9	1080.6	1057.0	6.93	6.50	6.08	-13.8	-16.7	-27.4	1.46		
6.5	85.09	1152.4	1122.7	1100.6	6.78	6.51	5.91	-13.5	-18.1	-25.4	1.81		
7.0	84.14	1193.4	1165.3	1144.5	6.68	6.31	5.75	-13.0	-19.6	-23.2	2.25		
7.5	84.25	1234.1	1207.4	1188.2	6.45	6.16	5.52	-12.5	-21.4	-22.3	2.72		
8.0	82.38	1274.1	1249.5	1231.7	6.37	5.89	5.31	-12.0	-23.6	-21.4	3.20		
8.5	81.69	1313.9	1290.7	1274.4	6.15	5.80	5.00	-11.7	-26.4	-20.9	3.64		
9.0	79.84	1353.0	1331.5	1316.6	6.06	5.53	4.80	-11.4	-29.3	-20.8	3.98		
9.5	78.08	1391.6	1371.4	1357.9	5.90	5.40	4.52	-11.0	-31.0	-20.8	4.31		
10.0	76.42	1429.2	1410.5	1398.3	5.76	5.16	4.27	-10.7	-29.7	-20.9	4.53		
10.5	73.99	1466.6	1448.7	1437.6	5.53	4.94	3.96	-10.3	-27.3	-21.4	4.73		
11.0	71.74	1502.2	1485.7	1475.8	5.27	4.58	3.64	-10.1	-25.5	-21.1	4.78		
11.5	69.97	1537.7	1521.6	1512.5	5.15	4.37	3.33	-10.1	-23.5	-21.8	4.79		
12.0	67.05	1571.7	1556.5	1548.7	5.05	4.25	3.07	-9.9	-22.8	-22.6	4.70		
12.5	65.91	1604.4	1590.1	1582.9	4.78	4.02	2.80	-10.2	-21.5	-23.0	4.62		
13.0	63.04	1636.3	1623.0	1616.4	4.64	3.81	2.38	-10.3	-21.2	-23.1	4.38		
13.5	60.49	1667.0	1654.5	1648.5	4.41	3.57	2.05	-10.4	-20.7	-23.8	4.13		
14.0	57.83	1697.1	1684.8	1679.1	4.22	3.28	1.70	-10.1	-20.5	-24.8	4.08		
14.5	56.81	1725.6	1713.7	1708.6	4.06	3.09	1.38	-10.3	-20.4	-25.1	3.80		
15.0	56.81	1753.4	1742.1	1737.2	3.87	2.86	1.03	-10.3	-20.0	-25.3	3.51		