

Voltage Controlled Oscillator

ROS-EDR4696

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	103.00	753.1	736.8	720.3	5.65	5.26	4.32	-27.3	-28.8	-54.1	0.45	1	-73
1.0	100.00	803.2	786.8	770.6	5.58	4.99	3.77	-24.1	-31.2	-59.0	0.51	10	-99
1.5	100.90	854.1	837.3	820.8	5.20	4.89	3.14	-22.1	-34.0	-59.9	0.64	100	-119
2.0	100.70	905.0	887.6	872.2	5.13	4.57	3.41	-19.9	-36.4	-57.5	0.58	1000	-139
2.5	102.90	956.9	939.1	923.3	5.02	4.70	3.27	-17.8	-39.2	-55.8	0.70		
3.0	102.90	1008.2	990.5	974.7	4.99	4.56	3.59	-16.5	-42.3	-54.6	0.77		
3.5	103.30	1059.0	1042.2	1026.2	4.65	4.56	3.43	-15.9	-45.6	-53.6	0.90		
4.0	99.30	1108.8	1091.8	1076.5	4.72	4.34	3.58	-15.6	-48.3	-51.8	0.90		
4.5	97.80	1158.0	1140.7	1125.4	4.30	4.19	3.22	-15.6	-48.6	-51.4	0.96		
5.0	93.70	1203.7	1187.6	1171.8	4.47	4.05	3.63	-16.7	-46.7	-50.6	1.02		
5.5	90.00	1248.4	1232.6	1216.3	4.25	3.90	3.43	-17.5	-44.6	-49.2	1.15		
6.0	83.30	1290.1	1274.2	1259.1	4.31	3.90	3.42	-18.6	-43.5	-48.4	1.28		
6.5	78.00	1328.8	1313.2	1298.1	4.36	3.97	3.44	-20.1	-41.6	-48.3	1.28		
7.0	73.30	1365.8	1349.9	1335.5	4.07	4.09	3.55	-21.5	-40.7	-49.8	1.41		
7.5	70.80	1399.9	1385.3	1370.8	4.40	3.96	3.34	-23.3	-41.6	-50.0	1.41		
8.0	67.80	1433.6	1419.2	1404.0	4.21	3.86	3.43	-24.4	-41.2	-49.0	1.34		
8.5	64.80	1466.0	1451.6	1437.8	4.25	3.83	3.04	-25.9	-42.0	-48.5	1.41		
9.0	60.50	1495.9	1481.9	1467.8	4.43	3.91	3.23	-27.7	-42.4	-47.8	1.28		
9.5	59.10	1526.4	1511.4	1496.7	4.28	4.04	3.32	-28.8	-42.8	-46.7	1.22		
10.0	56.80	1554.5	1539.8	1529.8	4.38	4.07	2.68	-29.7	-42.5	-46.1	1.28		
10.5	57.20	1583.0	1568.5	1554.8	4.29	4.03	2.84	-32.0	-42.7	-46.2	1.28		
11.0	55.40	1609.1	1596.2	1581.5	4.41	3.93	2.70	-32.8	-43.5	-45.1	1.15		
11.5	53.50	1636.0	1622.9	1612.4	4.22	3.86	1.69	-33.5	-43.3	-44.9	1.09		