

Voltage Controlled Oscillator

ROS-EDR5907

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	76.79	804.6	790.9	774.4	1.10	1.57	1.38	-16.8	-37.0	-56.3	0.75	1	-73
0.5	83.14	825.5	811.7	794.2	1.28	1.71	1.41	-15.9	-37.2	-57.3	0.73	10	-96
0.8	84.37	847.2	832.8	815.5	1.43	1.82	1.51	-15.3	-37.9	-57.7	0.71	100	-118
1.0	90.08	870.0	855.3	837.5	1.56	1.96	1.59	-15.0	-38.8	-58.4	0.70	1000	-137
1.3	92.04	892.9	878.3	860.5	1.64	2.01	1.60	-14.7	-39.8	-59.6	0.67		
1.5	94.06	916.7	901.9	884.3	1.76	2.11	1.69	-14.6	-41.1	-59.6	0.64		
1.8	96.76	940.7	926.1	908.6	1.92	2.16	1.75	-14.9	-41.8	-59.6	0.62		
2.0	99.69	965.6	951.0	934.0	2.07	2.29	1.79	-15.3	-42.8	-57.9	0.61		
2.3	100.20	991.0	976.0	959.4	2.13	2.44	1.94	-15.8	-44.0	-59.1	0.60		
2.5	104.51	1016.8	1002.1	985.5	2.27	2.46	2.01	-16.0	-45.2	-59.1	0.59		
2.8	103.28	1042.4	1028.0	1012.2	2.44	2.67	2.05	-16.3	-48.7	-59.2	0.57		
3.0	104.41	1068.3	1054.1	1038.4	2.52	2.65	2.16	-16.5	-50.4	-59.0	0.57		
3.3	104.68	1094.2	1080.2	1064.8	2.65	2.60	2.05	-16.8	-51.2	-58.2	0.60		
3.5	102.87	1119.8	1106.0	1091.1	2.77	2.67	2.04	-17.5	-50.9	-57.6	0.56		
3.8	101.34	1144.9	1131.3	1116.7	2.88	2.67	2.11	-18.1	-51.7	-57.0	0.54		
4.0	100.83	1169.7	1156.5	1142.2	2.94	2.76	2.24	-19.2	-54.5	-56.5	0.48		
4.3	98.34	1194.1	1181.1	1167.2	2.93	2.69	2.25	-19.9	-55.8	-55.6	0.45		
4.5	96.81	1218.0	1205.3	1191.7	3.06	2.83	2.31	-20.8	-54.3	-54.1	0.40		
4.8	93.61	1241.2	1228.7	1215.6	3.10	2.86	2.37	-21.7	-51.3	-55.0	0.33		
5.0	91.72	1263.9	1251.6	1238.8	3.20	2.92	2.50	-22.6	-49.4	-54.5	0.28		
5.3	90.84	1286.1	1274.3	1261.5	3.23	2.97	2.64	-23.4	-48.4	-53.6	0.25		
5.5	88.35	1307.9	1296.4	1283.9	3.20	3.00	2.64	-24.4	-47.4	-53.7	0.20		
5.8	84.52	1328.8	1317.5	1305.7	3.27	3.17	2.65	-25.6	-47.3	-53.7	0.18		
6.0	83.76	1349.6	1338.5	1326.7	3.19	3.19	2.78	-26.5	-46.8	-54.6	0.13		
6.3	82.38	1370.0	1359.1	1347.5	3.08	3.02	2.62	-27.5	-46.8	-55.4	0.10		
6.5	80.87	1390.0	1379.3	1367.9	2.97	2.96	2.55	-28.2	-47.0	-55.9	0.08		
6.8	78.86	1409.8	1399.0	1388.1	2.85	2.92	2.39	-29.4	-47.3	-56.4	0.07		
7.0	78.54	1429.4	1418.6	1407.9	2.69	2.72	2.19	-30.5	-46.8	-56.5	0.05		