

Voltage Controlled Oscillator

ROS-EDR4812

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	66.90	670.4	655.8	648.6	3.11	3.92	3.81	-35.9	-39.5	-53.6	0.96	1	-72
1.0	64.40	702.5	688.0	680.1	3.08	4.03	3.97	-36.4	-39.5	-54.8	0.90	10	-95
1.5	64.00	735.0	720.0	712.2	3.19	4.10	3.96	-34.9	-39.5	-55.7	0.96	100	-113
2.0	64.80	767.7	752.4	744.6	3.37	4.20	4.00	-33.3	-39.9	-57.2	0.96	1000	-134
2.5	65.80	800.1	785.3	777.5	3.50	4.31	4.15	-31.8	-40.0	-59.8	0.96		
3.0	66.40	834.5	818.5	810.4	3.36	4.36	4.10	-31.3	-40.7	-62.6	0.96		
3.5	68.20	868.4	852.6	845.6	3.70	4.37	4.03	-30.4	-41.0	-62.8	0.96		
4.0	68.90	902.6	887.0	879.2	3.73	4.35	4.22	-30.3	-41.6	-61.0	0.96		
4.5	68.60	937.3	921.3	913.5	3.74	4.44	4.15	-30.1	-42.9	-60.1	1.02		
5.0	67.30	970.5	955.0	947.6	3.90	4.46	4.12	-30.6	-43.4	-58.4	0.96		
5.5	65.40	1002.7	987.7	980.0	3.89	4.43	4.18	-30.3	-45.2	-58.0	0.96		
6.0	63.50	1034.1	1019.5	1011.8	3.79	4.41	4.10	-30.5	-45.9	-56.7	0.96		
6.5	60.90	1063.7	1049.9	1042.9	3.68	4.31	3.94	-31.1	-48.2	-54.1	0.96		
7.0	59.60	1092.6	1079.7	1072.5	3.60	4.13	3.75	-31.3	-51.1	-53.0	0.83		
7.5	59.10	1122.4	1109.3	1101.8	3.37	3.91	3.58	-31.7	-53.2	-52.5	0.96		
8.0	57.60	1150.3	1138.1	1131.5	2.97	3.65	3.28	-32.2	-54.1	-51.5	0.90		
8.5	57.00	1177.6	1166.6	1159.5	2.60	3.29	2.76	-32.2	-52.7	-50.3	0.83		
9.0	55.80	1206.5	1194.5	1187.8	2.38	2.87	2.35	-32.7	-51.5	-50.9	0.77		
9.5	56.10	1234.1	1222.5	1217.0	1.80	2.30	2.08	-33.0	-50.2	-50.4	0.77		
10.0	55.70	1261.2	1250.4	1244.8	1.05	1.72	1.35	-33.3	-49.3	-49.4	0.70		