

Voltage Controlled Oscillator

ROS-EDR4758

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	52.00	583.9	565.6	549.1	10.84	10.56	10.14	-18.9	-23.0	-36.7	-0.38	1	-71
1.0	43.90	604.9	587.5	571.7	10.95	10.57	10.05	-20.6	-23.5	-37.1	-0.32	10	-98
1.5	39.40	623.2	607.2	591.6	11.08	10.60	10.08	-20.9	-23.0	-37.8	-0.26	100	-116
2.0	36.40	641.1	625.4	609.0	11.04	10.66	10.16	-21.2	-22.9	-37.3	-0.32	1000	-139
2.5	34.70	659.1	642.8	626.1	10.97	10.72	10.16	-22.4	-23.6	-38.4	-0.26		
3.0	33.70	676.4	659.6	643.9	11.03	10.76	10.04	-22.6	-23.0	-37.2	-0.26		
3.5	33.40	693.0	676.3	661.1	11.10	10.77	10.03	-22.9	-22.7	-36.4	-0.26		
4.0	33.70	710.0	693.1	677.9	11.12	10.78	10.11	-24.1	-23.0	-36.6	-0.26		
4.5	34.30	727.1	710.3	694.5	11.13	10.77	10.11	-25.4	-23.1	-36.4	-0.19		
5.0	34.70	744.3	727.6	712.1	11.19	10.72	10.06	-25.5	-22.4	-41.1	-0.19		
5.5	36.40	762.0	745.8	729.7	11.23	10.70	10.09	-26.8	-22.4	-42.9	-0.13		
6.0	37.00	780.8	764.3	747.6	11.17	10.71	10.08	-28.8	-22.7	-44.6	-0.26		
6.5	38.40	801.2	783.5	766.7	11.07	10.71	10.00	-29.0	-22.2	-46.6	-0.26		
7.0	40.40	821.1	803.7	787.7	11.17	10.74	9.88	-30.4	-23.6	-49.5	-0.19		
7.5	41.50	841.6	824.5	808.7	11.30	10.79	9.91	-32.1	-23.3	-50.7	-0.26		
8.0	43.80	864.4	846.3	829.6	11.24	10.85	10.03	-32.1	-23.2	-50.9	-0.26		
8.5	45.30	889.0	869.0	852.7	11.18	10.89	9.97	-37.3	-23.0	-50.4	-0.26		
9.0	47.50	913.0	892.7	877.5	11.29	10.89	9.86	-37.6	-22.7	-50.2	-0.32		
9.5	49.20	937.7	917.3	900.9	11.37	10.86	9.94	-39.3	-22.5	-49.2	-0.32		
10.0	49.40	962.2	942.0	925.4	11.43	10.86	9.89	-39.8	-22.5	-47.3	-0.26		
10.5	49.20	987.4	966.6	949.3	11.49	10.86	9.90	-38.3	-24.6	-46.6	-0.19		
11.0	47.10	1012.1	990.1	973.2	11.47	10.87	9.87	-41.8	-26.1	-45.8	-0.26		
11.5	46.50	1034.5	1013.4	997.4	11.52	10.87	9.76	-40.3	-27.1	-45.0	-0.19		
12.0	44.30	1056.5	1035.5	1019.1	11.54	10.84	9.79	-37.4	-28.6	-44.2	-0.19		
12.5	43.40	1078.9	1057.2	1040.3	11.46	10.77	9.72	-40.1	-31.0	-44.2	-0.13		
13.0	41.10	1100.2	1077.8	1061.3	11.37	10.70	9.66	-39.7	-33.2	-45.1	-0.13		
13.5	39.30	1120.1	1097.4	1082.2	11.31	10.62	9.53	-39.3	-34.1	-44.7	-0.19		
14.0	38.80	1138.4	1116.8	1101.5	11.26	10.57	9.44	-38.3	-34.2	-44.8			
14.5	36.50	1156.1	1135.0	1120.3	11.23	10.50	9.36	-37.5	-35.7	-45.8			
15.0	35.60	1173.5	1152.8	1137.9	11.16	10.44	9.30	-38.3	-36.4	-45.4			
15.5	34.60	1191.4	1170.1	1155.8	11.06	10.35	9.21	-37.4	-36.0	-45.2			
16.0	33.70	1208.3	1186.9	1173.5	10.92	10.26	9.10	-36.6	-35.7	-45.2	0.06		
16.5	32.80	1223.9	1203.3	1191.6	10.80	10.16	8.92	-38.3	-36.5	-46.3	0.13		
17.0	32.60	1238.6	1219.7	1208.3	10.68	10.03	8.76	-37.3	-36.7	-46.5	0.19		
17.5	31.00	1252.7	1235.1	1223.8	10.57	9.86	8.59	-35.3	-37.5	-46.5	0.13		
18.0	30.10	1267.1	1250.2	1239.0	10.41	9.68	8.40	-34.2	-38.0	-48.0	0.26		
18.5	29.40	1280.7	1264.9	1254.0	10.26	9.47	8.11	-33.4	-37.9	-49.1	0.26		
19.5	26.20	1307.0	1292.1	1283.3	9.89	9.03	7.21	-30.3	-40.1	-53.8	0.19		
20.0	25.60	1319.9	1304.9	1297.2	9.73	8.75	6.27	-30.0	-42.3	-54.7	0.19		