

Voltage Controlled Oscillator

ROS-ED9404/1

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			
0.4	34.63	781.2	775.3	769.4	0.41	1.22	0.99	-17.2	-42.1	-40.5	0.15	1	-80
0.8	30.45	793.0	786.9	780.7	0.73	1.51	1.14	-17.7	-43.0	-41.3	0.06	10	-104
1.1	29.03	804.3	797.9	791.5	0.98	1.77	1.23	-18.0	-42.7	-41.5	0.22	100	-124
1.5	28.08	815.2	808.6	802.3	1.10	1.95	1.18	-18.5	-42.0	-41.3	0.34	1000	-144
1.9	27.53	826.1	819.1	813.0	1.17	2.02	1.01	-18.9	-40.7	-42.5	0.48		
2.3	27.29	837.0	829.4	823.9	1.28	2.05	0.72	-19.5	-40.3	-43.0	0.67		
2.7	26.95	848.0	839.7	835.3	1.49	2.03	0.44	-20.0	-39.2	-44.3	0.58		
3.0	29.16	858.8	850.8	846.9	1.73	1.66	0.32	-21.1	-38.8	-44.5	0.82		
3.4	31.77	868.9	862.8	858.6	1.87	1.27	0.29	-22.4	-38.0	-45.0	1.01		
3.8	32.25	880.4	875.1	870.5	0.87	0.91	0.26	-24.1	-37.1	-46.8	0.97		
4.2	32.88	893.2	887.6	882.3	0.20	0.43	0.12	-25.6	-36.7	-47.7	0.95		
4.6	31.49	905.4	899.6	894.3	-0.26	0.17	-0.08	-27.3	-36.3	-47.3	0.88		
4.9	30.72	917.3	911.2	905.7	-0.53	-0.03	-0.21	-29.2	-36.3	-48.6	0.85		
5.3	29.86	928.8	922.6	916.9	-0.64	-0.07	-0.23	-30.9	-35.7	-49.3	0.83		
5.7	29.01	940.0	933.6	927.7	-0.76	-0.09	-0.15	-33.3	-35.1	-49.1	0.82		
6.1	27.90	950.7	944.2	938.2	-0.91	-0.15	-0.14	-35.5	-34.9	-49.5	0.77		
6.5	26.94	961.0	954.4	948.3	-1.05	-0.26	-0.17	-37.5	-35.3	-49.7	0.70		
6.8	25.75	970.9	964.2	958.0	-1.14	-0.34	-0.25	-39.1	-35.2	-49.1	0.65		
7.2	24.84	980.6	973.7	967.2	-1.14	-0.38	-0.29	-42.2	-35.2	-49.9	0.60		
7.6	24.55	989.8	983.0	976.2	-1.05	-0.33	-0.29	-44.2	-35.6	-49.8	0.53		
8.0	22.97	998.6	991.7	985.0	-0.99	-0.25	-0.23	-44.5	-35.6	-49.3	0.48		
8.4	22.15	1007.0	1000.1	993.4	-0.98	-0.20	-0.16	-43.4	-36.1	-50.0	0.42		
8.7	21.24	1015.2	1008.2	1001.4	-1.00	-0.18	-0.12	-42.4	-36.3	-49.3	0.39		
9.1	20.70	1023.1	1016.1	1009.1	-1.02	-0.21	-0.11	-41.5	-35.7	-49.7	0.32		
9.5	19.99	1030.8	1023.7	1016.6	-1.03	-0.22	-0.14	-41.4	-36.9	-49.4	0.29		
9.9	19.30	1038.2	1031.0	1023.8	-0.99	-0.24	-0.16	-38.9	-36.7	-48.4	0.21		
10.3	18.60	1045.3	1038.1	1030.8	-0.93	-0.21	-0.18	-39.0	-36.5	-48.2	0.19		
10.6	18.05	1052.2	1044.9	1037.6	-0.86	-0.16	-0.16	-37.4	-36.6	-49.8	0.16		
11.0	17.35	1058.8	1051.5	1044.1	-0.82	-0.10	-0.13	-37.6	-37.2	-49.8	0.10		
11.4	16.85	1065.4	1057.9	1050.5	-0.81	-0.05	-0.08	-37.7	-37.1	-48.3	0.11		
11.8	16.44	1071.8	1064.2	1056.6	-0.80	-0.04	-0.04	-37.2	-37.0	-49.8	0.05		
12.2	16.16	1077.9	1070.3	1062.5	-0.81	-0.04	-0.02	-37.2	-37.6	-49.1	0.03		
12.5	15.51	1083.8	1076.2	1068.3	-0.87	-0.07	-0.02	-36.3	-37.3	-49.2	0.03		
12.9	14.89	1089.5	1081.9	1073.9	-0.92	-0.12	-0.05	-35.6	-37.5	-48.5	0.05		
13.3	14.44	1095.0	1087.3	1079.4	-0.96	-0.18	-0.10	-35.7	-38.1	-49.2	0.08		
13.7	13.96	1100.4	1092.7	1084.6	-1.01	-0.22	-0.17	-34.7	-38.1	-47.7	0.11		
14.1	13.52	1105.6	1097.8	1089.7	-1.03	-0.26	-0.23	-34.8	-37.5	-48.1	0.14		
14.4	13.19	1110.7	1102.8	1094.6	-1.03	-0.30	-0.28	-34.6	-38.4	-49.2	0.19		
14.8	12.87	1115.6	1107.7	1099.3	-1.02	-0.32	-0.32	-34.4	-39.0	-49.3	0.25		