

Voltage Controlled Oscillator

ROS-1135-119+

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			
0.00	17.54	1097.6	1093.2	1090.7	3.71	3.59	3.01	-30.6	-34.5	-43.1	0.27	1	-86
0.25	15.94	1101.7	1097.6	1095.3	3.69	3.57	3.01	-30.7	-34.1	-42.8	0.19	10	-115
0.50	15.10	1105.6	1101.5	1099.4	3.67	3.55	3.00	-30.7	-33.8	-42.4	0.14	100	-136
0.75	14.64	1109.2	1105.3	1103.2	3.65	3.52	2.98	-30.8	-33.9	-42.0	0.11	1000	-154
1.00	14.43	1112.8	1109.0	1106.9	3.63	3.49	2.96	-30.8	-34.0	-41.7	0.09		
1.25	14.36	1116.4	1112.6	1110.5	3.60	3.45	2.93	-30.8	-34.0	-41.5	0.07		
1.50	14.40	1120.0	1116.2	1114.1	3.57	3.42	2.90	-30.8	-33.6	-41.5	0.06		
1.75	14.51	1123.5	1119.8	1117.7	3.54	3.38	2.87	-30.9	-33.2	-41.3	0.06		
2.00	14.64	1127.1	1123.4	1121.4	3.51	3.33	2.83	-31.1	-33.0	-40.7	0.06		
2.25	14.79	1130.7	1127.1	1125.1	3.48	3.29	2.79	-31.1	-33.0	-40.2	0.06		
2.50	14.92	1134.4	1130.8	1128.8	3.45	3.25	2.75	-31.1	-33.0	-39.9	0.06		
2.75	15.02	1138.0	1134.5	1132.5	3.41	3.20	2.71	-31.0	-33.0	-39.6	0.08		
3.00	15.11	1141.7	1138.3	1136.3	3.38	3.15	2.67	-30.9	-32.8	-39.2	0.10		
3.25	15.17	1145.4	1142.0	1140.1	3.35	3.09	2.62	-30.8	-32.6	-38.8	0.12		
3.50	15.11	1149.1	1145.8	1143.9	3.31	3.04	2.57	-30.7	-32.4	-38.3	0.15		
3.75	15.03	1152.8	1149.6	1147.7	3.27	2.98	2.52	-30.6	-32.4	-38.1	0.18		
4.00	14.91	1156.5	1153.4	1151.5	3.23	2.92	2.46	-30.2	-32.5	-37.9	0.21		
4.25	14.73	1160.1	1157.1	1155.3	3.19	2.86	2.41	-30.0	-32.5	-37.5	0.24		
4.50	14.52	1163.7	1160.8	1159.0	3.15	2.81	2.35	-29.8	-32.4	-37.3	0.27		
4.75	14.30	1167.2	1164.4	1162.6	3.11	2.75	2.30	-29.7	-32.2	-37.1	0.30		
5.00	14.06	1170.7	1168.0	1166.2	3.07	2.69	2.24	-29.5	-32.1	-37.0	0.32		
5.25	13.79	1174.1	1171.5	1169.8	3.03	2.64	2.19	-29.4	-32.2	-36.7	0.34		
5.50	13.52	1177.5	1174.9	1173.3	2.99	2.58	2.13	-29.3	-32.4	-36.5	0.35		
5.75	13.31	1180.8	1178.3	1176.7	2.95	2.53	2.08	-29.1	-32.5	-36.4	0.36		
6.00	13.09	1184.1	1181.6	1180.0	2.91	2.47	2.02	-29.1	-32.5	-36.2	0.36		

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