

Voltage Controlled Oscillator

ROS-EDR6508/1

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			
0.3	17.07	1121.1	1113.7	1108.0	1.48	2.03	2.08	-32.2	-51.1	-42.8	-0.63	1	-82
0.5	15.34	1125.2	1118.0	1112.4	1.46	2.00	2.05	-32.4	-50.7	-42.6	-0.52	10	-107
0.8	14.17	1128.9	1121.8	1116.3	1.44	1.99	2.03	-32.7	-50.7	-42.4	-0.46	100	-127
1.0	13.28	1132.3	1125.3	1120.0	1.41	1.96	2.00	-33.0	-50.5	-42.1	-0.42	1000	-145
1.3	12.61	1135.5	1128.7	1123.3	1.38	1.93	1.97	-33.0	-50.2	-42.0	-0.40		
1.5	12.07	1138.6	1131.8	1126.5	1.35	1.90	1.94	-33.1	-49.4	-42.1	-0.38		
1.8	11.64	1141.6	1134.8	1129.6	1.32	1.88	1.92	-33.3	-49.5	-41.9	-0.36		
2.0	11.29	1144.5	1137.7	1132.5	1.29	1.85	1.89	-33.4	-49.1	-41.8	-0.35		
2.3	10.97	1147.3	1140.6	1135.3	1.27	1.83	1.87	-33.5	-48.8	-41.9	-0.34		
2.5	10.69	1150.0	1143.3	1138.1	1.24	1.80	1.84	-33.7	-48.8	-42.1	-0.33		
2.8	10.47	1152.6	1146.0	1140.8	1.21	1.78	1.82	-33.9	-48.6	-42.1	-0.32		
3.0	10.28	1155.2	1148.6	1143.4	1.17	1.77	1.81	-34.0	-48.4	-41.7	-0.31		
3.3	10.13	1157.8	1151.2	1146.0	1.13	1.75	1.79	-34.0	-48.1	-41.6	-0.30		
3.5	9.99	1160.3	1153.7	1148.5	1.09	1.73	1.79	-34.1	-47.8	-41.5	-0.30		
3.8	9.88	1162.8	1156.2	1151.0	1.06	1.70	1.77	-34.2	-47.8	-41.5	-0.29		
4.0	9.77	1165.3	1158.7	1153.5	1.01	1.66	1.75	-34.3	-47.6	-41.4	-0.28		
4.3	9.67	1167.7	1161.1	1155.9	0.97	1.63	1.71	-34.3	-47.3	-41.5	-0.27		
4.5	9.60	1170.1	1163.5	1158.3	0.92	1.59	1.68	-34.4	-46.8	-41.3	-0.27		
4.8	9.54	1172.5	1165.9	1160.7	0.88	1.56	1.65	-34.5	-46.9	-41.3	-0.26		
5.0	9.49	1174.9	1168.3	1163.1	0.80	1.48	1.58	-34.6	-46.6	-41.3	-0.26		
5.3	9.46	1177.3	1170.7	1165.5	0.79	1.48	1.58	-34.7	-46.5	-41.3	-0.25		
5.5	9.47	1179.6	1173.1	1167.8	0.75	1.45	1.55	-34.6	-46.2	-41.2	-0.24		
5.8	9.44	1182.0	1175.4	1170.2	0.72	1.42	1.52	-34.7	-46.2	-41.1	-0.24		
6.0	9.44	1184.4	1177.8	1172.5	0.68	1.39	1.49	-34.7	-45.9	-41.2	-0.23		
6.3	9.43	1186.7	1180.1	1174.9	0.65	1.36	1.47	-34.8	-45.7	-41.0	-0.22		
6.5	9.42	1189.1	1182.5	1177.2	0.61	1.33	1.44	-35.0	-45.5	-41.0	-0.21		
6.8	9.41	1191.4	1184.9	1179.6	0.58	1.30	1.41	-35.0	-45.7	-40.8	-0.21		
7.0	9.41	1193.8	1187.2	1181.9	0.54	1.27	1.38	-35.0	-45.3	-40.6	-0.20		