

Voltage Controlled Oscillator

ROS-ED10374/1

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			
0.1	15.96	1188.6	1181.8	1176.0	1.88	3.23	3.33	-20.6	-26.4	-33.9	2.67	1	-73
0.3	15.52	1190.5	1183.8	1177.9	1.89	3.23	3.32	-20.7	-26.5	-33.7	2.68	10	-95
0.4	15.04	1192.3	1185.6	1179.7	1.89	3.25	3.34	-20.8	-26.4	-33.9	2.71	100	-117
0.5	14.91	1194.1	1187.5	1181.4	2.04	3.25	3.36	-21.0	-26.7	-34.1	2.72	1000	-138
0.6	14.76	1196.0	1189.3	1183.2	2.04	3.26	3.36	-21.1	-26.6	-34.2	2.71		
0.8	14.80	1198.0	1191.2	1184.9	1.91	3.28	3.37	-21.2	-26.5	-34.4	2.68		
0.9	14.76	1199.9	1193.0	1186.7	1.93	3.43	3.38	-21.4	-26.4	-34.7	2.73		
1.0	15.08	1201.9	1194.9	1188.5	1.95	3.43	3.38	-21.5	-26.4	-34.7	2.74		
1.1	15.68	1204.0	1196.9	1190.3	2.00	3.45	3.39	-21.6	-26.4	-34.9	2.80		
1.3	16.16	1206.1	1198.9	1192.2	2.02	3.32	3.40	-21.8	-26.4	-34.7	2.83		
1.4	16.64	1208.2	1201.0	1194.1	2.07	3.34	3.55	-21.9	-26.5	-35.0	2.87		
1.5	17.12	1210.5	1203.1	1196.0	2.11	3.39	3.55	-22.1	-26.6	-34.9	2.87		
1.6	17.52	1212.9	1205.3	1198.0	2.15	3.40	3.42	-22.3	-26.6	-35.3	2.90		
1.8	17.95	1215.3	1207.6	1200.1	2.17	3.44	3.42	-22.5	-26.5	-35.0	2.93		
1.9	18.69	1217.7	1209.9	1202.3	2.25	3.46	3.42	-22.7	-26.4	-35.5	2.96		
2.0	19.03	1220.1	1212.3	1204.6	2.25	3.47	3.47	-23.1	-26.7	-35.3	2.93		
2.1	19.53	1222.5	1214.7	1206.9	2.28	3.50	3.47	-23.3	-26.5	-35.2	2.93		
2.3	19.88	1225.2	1217.2	1209.3	2.28	3.51	3.51	-23.6	-26.6	-34.9	2.92		
2.4	20.00	1228.3	1219.7	1211.7	2.14	3.57	3.52	-23.8	-26.7	-34.9	2.89		
2.5	20.29	1231.3	1222.2	1214.1	2.29	3.57	3.55	-24.1	-26.6	-34.6	2.81		
2.6	20.66	1234.2	1224.8	1216.6	2.44	3.60	3.57	-24.4	-26.8	-35.0	2.91		
2.8	21.91	1237.0	1227.6	1219.1	2.50	3.66	3.64	-24.4	-27.1	-34.8	2.99		
2.9	22.26	1239.7	1230.3	1221.5	2.55	3.71	3.66	-24.8	-27.1	-34.9	2.93		
3.0	21.37	1242.4	1233.0	1224.0	2.56	3.80	3.69	-25.1	-27.3	-34.7	2.83		
3.1	20.62	1245.1	1235.6	1226.3	2.62	3.83	3.71	-25.5	-27.3	-34.2	2.72		
3.3	19.75	1247.6	1238.1	1228.7	2.68	3.90	3.76	-25.6	-27.3	-34.4	2.66		
3.4	19.05	1250.1	1240.4	1231.0	2.67	3.92	3.78	-25.9	-27.6	-34.1	2.67		
3.5	18.34	1252.4	1242.7	1233.3	2.67	3.99	3.85	-26.1	-27.7	-34.2	2.64		
3.6	17.40	1254.8	1244.9	1235.5	2.70	4.00	3.88	-26.3	-28.0	-34.0	2.59		
3.8	16.49	1257.1	1247.0	1237.5	2.75	4.02	3.96	-26.6	-27.9	-33.8	2.59		
3.9	15.31	1259.3	1248.9	1239.5	2.85	4.07	3.99	-26.8	-28.0	-33.8	2.53		
4.0	14.30	1261.3	1250.7	1241.2	2.88	4.08	4.01	-26.9	-28.2	-33.9	2.55		
4.1	13.36	1263.1	1252.3	1242.8	2.94	4.09	4.09	-27.2	-28.1	-33.7	2.55		
4.3	12.34	1264.7	1253.9	1244.3	2.97	4.11	4.11	-27.2	-28.2	-34.0	2.59		
4.4	11.67	1266.2	1255.3	1245.7	3.00	4.13	4.12	-27.3	-28.3	-33.7	2.68		
4.5	10.80	1267.6	1256.7	1246.9	3.04	4.15	4.14	-27.3	-28.4	-34.0	2.72		
4.6	9.86	1268.8	1257.9	1248.0	3.07	4.23	4.19	-27.6	-28.4	-34.0	2.78		
4.8	8.86	1269.9	1259.0	1249.0	3.10	4.26	4.20	-27.6	-28.7	-34.0	2.81		
4.9	8.01	1270.9	1260.0	1250.0	3.13	4.27	4.21	-27.7	-28.7	-34.0	2.84		
5.0	7.33	1271.8	1260.9	1250.8	3.15	4.29	4.21	-27.8	-28.6	-33.6	2.85		