

Voltage Controlled Oscillator

ROS-EDR6235/1

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	30.12	1169.0	1166.3	1163.7	0.45	-0.14	-1.70	-20.6	-31.0	-36.5	-0.42	1	-86
0.5	26.42	1175.2	1172.9	1170.5	0.54	-0.19	-1.72	-20.7	-31.4	-36.3	-0.35	10	-111
0.8	23.92	1180.8	1178.8	1176.6	0.55	-0.24	-1.71	-20.9	-31.7	-36.6	-0.31	100	-131
1.0	22.39	1186.3	1184.4	1182.2	0.57	-0.25	-1.68	-21.0	-31.9	-36.8	-0.30	1000	-148
1.3	21.82	1191.5	1189.9	1187.7	0.45	-0.35	-1.69	-21.2	-32.5	-36.5	-0.28		
1.5	20.45	1196.6	1195.0	1192.8	0.29	-0.47	-1.76	-21.5	-32.8	-36.3	-0.24		
1.8	19.74	1201.4	1199.9	1197.7	0.18	-0.57	-1.79	-21.5	-32.8	-36.3	-0.23		
2.0	19.03	1206.2	1204.7	1202.5	0.14	-0.62	-1.86	-21.5	-33.2	-36.5	-0.22		
2.3	18.48	1210.8	1209.3	1207.1	0.07	-0.66	-1.88	-21.7	-33.8	-36.1	-0.20		
2.5	18.18	1215.4	1213.9	1211.5	0.00	-0.70	-1.87	-21.9	-34.0	-35.7	-0.19		
2.8	17.74	1219.9	1218.3	1215.9	-0.06	-0.73	-1.90	-22.0	-34.6	-36.3	-0.19		
3.0	17.42	1224.3	1222.7	1220.3	-0.13	-0.77	-1.92	-22.2	-34.8	-35.9	-0.18		
3.3	17.21	1228.6	1227.0	1224.5	-0.19	-0.82	-1.92	-22.4	-35.1	-36.1	-0.17		
3.5	17.03	1232.9	1231.2	1228.8	-0.28	-0.86	-1.93	-22.5	-35.2	-35.8	-0.16		
3.8	16.93	1237.2	1235.4	1232.9	-0.38	-0.93	-1.96	-22.6	-35.2	-35.7	-0.16		
4.0	16.88	1241.5	1239.7	1237.1	-0.45	-1.01	-2.00	-22.6	-34.9	-35.8	-0.15		
4.3	16.76	1245.7	1243.9	1241.3	-0.49	-1.04	-2.05	-22.7	-35.4	-35.9	-0.14		
4.5	16.69	1249.9	1248.0	1245.4	-0.51	-1.05	-2.07	-22.7	-36.0	-35.5	-0.14		
4.8	16.65	1254.1	1252.2	1249.5	-0.50	-1.05	-2.07	-22.8	-36.0	-35.3	-0.13		
5.0	16.58	1258.3	1256.3	1253.6	-0.50	-1.02	-2.04	-23.0	-36.2	-35.8	-0.13		