

Voltage Controlled Oscillator

ROS-EDR6111/1

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	23.24	348.5	345.6	343.2	-0.97	-0.26	0.07	-20.9	-37.2	-42.1	-1.03	1	-90
0.5	20.74	353.6	350.8	348.4	-0.86	-0.12	0.22	-21.5	-37.7	-41.6	-0.84	10	-113
0.8	19.38	358.4	355.7	353.3	-0.77	0.03	0.38	-21.9	-38.1	-41.2	-0.72	100	-133
1.0	18.60	363.0	360.3	358.0	-0.66	0.16	0.53	-22.4	-38.4	-40.9	-0.63	1000	-153
1.3	18.11	367.6	364.8	362.5	-0.55	0.31	0.67	-22.8	-39.0	-40.8	-0.57		
1.5	17.80	372.1	369.3	366.9	-0.45	0.44	0.80	-23.1	-39.3	-40.6	-0.52		
1.8	17.61	376.5	373.7	371.2	-0.35	0.54	0.91	-23.4	-39.6	-40.5	-0.48		
2.0	17.36	380.9	378.0	375.5	-0.26	0.61	0.98	-23.8	-39.8	-40.5	-0.45		
2.3	17.21	385.2	382.3	379.8	-0.18	0.67	1.03	-24.0	-40.2	-40.5	-0.43		
2.5	16.99	389.5	386.6	384.0	-0.10	0.72	1.07	-24.2	-40.2	-40.8	-0.41		
2.8	16.72	393.7	390.8	388.1	-0.03	0.76	1.09	-24.2	-40.1	-41.3	-0.40		
3.0	16.35	397.9	394.8	392.1	0.00	0.79	1.09	-24.3	-39.8	-42.3	-0.38		
3.3	15.98	401.9	398.8	396.1	0.03	0.78	1.05	-24.4	-39.3	-43.6	-0.35		
3.5	15.56	405.8	402.7	400.0	0.04	0.80	0.96	-24.5	-38.7	-44.7	-0.33		
3.8	15.16	409.7	406.5	403.9	0.01	0.79	0.91	-24.6	-38.3	-46.0	-0.33		
4.0	14.67	413.4	410.2	407.7	-0.04	0.74	0.84	-24.7	-38.0	-46.6	-0.40		
4.3	14.35	417.0	413.8	411.4	-0.12	0.66	0.76	-24.8	-37.7	-46.7	-0.54		
4.5	14.06	420.6	417.3	415.0	-0.21	0.52	0.64	-25.0	-37.5	-46.8	-0.73		
4.8	13.75	423.9	420.7	418.5	-0.32	0.34	0.49	-25.2	-37.3	-46.6	-0.90		
5.0	13.40	427.2	424.1	421.9	-0.47	0.16	0.35	-25.4	-37.1	-46.4	-1.00		
5.3	13.02	430.2	427.3	425.2	-0.66	-0.01	0.22	-25.6	-36.8	-45.9	-1.04		
5.5	12.63	433.1	430.5	428.4	-0.92	-0.21	0.06	-25.6	-36.5	-45.7	-1.06		
5.8	12.21	436.1	433.5	431.4	-1.19	-0.39	-0.09	-25.7	-36.3	-45.6	-1.05		
6.0	11.85	439.0	436.5	434.4	-1.42	-0.59	-0.25	-25.7	-36.0	-45.4	-1.05		
6.3	11.39	441.8	439.3	437.2	-1.63	-0.77	-0.42	-25.9	-35.8	-45.2	-1.00		
6.5	11.06	444.6	442.1	440.0	-1.84	-0.94	-0.57	-26.0	-35.6	-45.3	-0.99		
6.8	10.72	447.2	444.8	442.7	-2.03	-1.10	-0.71	-26.2	-35.4	-45.2	-0.96		
7.0	10.36	449.8	447.4	445.3	-2.22	-1.27	-0.85	-26.3	-35.3	-45.1	-0.93		