

Voltage Controlled Oscillator

ROS-EDR6634/1

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	12.85	543.9	540.5	537.8	-0.21	0.08	-0.09	-17.1	-25.9	-39.6	0.12	1	-88
0.5	12.29	547.0	543.7	541.1	-0.18	0.11	-0.07	-17.1	-25.8	-38.9	0.06	10	-113
0.8	12.01	550.0	546.8	544.2	-0.13	0.15	-0.02	-17.0	-25.8	-38.0	0.01	100	-133
1.0	11.90	553.0	549.8	547.2	-0.11	0.20	0.03	-17.1	-25.7	-37.1	-0.03	1000	-150
1.3	11.84	556.0	552.8	550.2	-0.08	0.21	0.06	-17.3	-25.4	-36.3	-0.06		
1.5	11.83	559.0	555.7	553.1	-0.06	0.24	0.08	-17.5	-25.2	-35.4	-0.07		
1.8	11.94	562.0	558.7	556.0	-0.02	0.26	0.11	-17.6	-24.9	-34.5	-0.07		
2.0	11.95	565.0	561.7	559.0	0.02	0.29	0.14	-17.6	-24.8	-33.7	-0.06		
2.3	12.00	568.0	564.7	562.0	0.05	0.31	0.15	-17.5	-24.6	-32.8	-0.06		
2.5	12.01	571.1	567.7	565.0	0.05	0.32	0.17	-17.5	-24.4	-31.9	-0.06		
2.8	12.11	574.1	570.7	568.0	0.06	0.32	0.17	-17.6	-24.2	-31.4	-0.08		
3.0	12.06	577.1	573.7	571.0	0.05	0.32	0.16	-17.9	-24.1	-31.1	-0.12		
3.3	12.08	580.0	576.7	574.0	0.02	0.31	0.16	-18.0	-24.0	-30.7	-0.15		
3.5	12.01	583.0	579.7	577.1	-0.01	0.29	0.13	-18.1	-23.9	-30.4	-0.20		
3.8	11.96	585.9	582.7	580.1	-0.07	0.26	0.10	-18.0	-23.9	-29.9	-0.24		
4.0	11.88	588.9	585.7	583.1	-0.15	0.21	0.08	-18.2	-23.9	-29.3	-0.28		
4.3	11.74	591.9	588.7	586.0	-0.23	0.16	0.03	-18.3	-24.0	-29.3	-0.31		
4.5	11.48	594.8	591.6	589.0	-0.30	0.10	-0.02	-18.6	-24.0	-29.2	-0.32		
4.8	11.32	597.7	594.5	591.8	-0.39	0.05	-0.06	-18.8	-24.0	-28.7	-0.33		
5.0	11.11	600.5	597.3	594.6	-0.50	-0.04	-0.14	-18.9	-24.1	-28.3	-0.32		
5.3	10.77	603.3	600.1	597.4	-0.55	-0.05	-0.14	-19.0	-24.4	-28.4	-0.30		
5.5	10.63	606.1	602.8	600.1	-0.64	-0.11	-0.17	-19.1	-24.5	-28.2	-0.29		
5.8	10.36	608.8	605.4	602.7	-0.70	-0.17	-0.21	-19.3	-24.6	-28.1	-0.26		
6.0	10.10	611.4	608.0	605.3	-0.76	-0.21	-0.25	-19.5	-24.7	-27.9	-0.24		
6.3	9.82	613.9	610.6	607.7	-0.81	-0.26	-0.28	-19.7	-24.9	-27.8	-0.21		
6.5	9.62	616.4	613.0	610.2	-0.86	-0.29	-0.31	-19.8	-25.2	-27.9	-0.19		
6.8	9.40	618.8	615.4	612.6	-0.90	-0.33	-0.34	-19.9	-25.3	-28.0	-0.16		
7.0	9.40	621.2	617.8	614.9	-0.94	-0.36	-0.37	-20.0	-25.4	-28.1	-0.13		