

Voltage Controlled Oscillator

ROS-EDR6349

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	21.94	461.2	459.3	457.1	-0.70	-0.42	-0.60	-22.5	-42.9	-49.1	-0.51	1	-89
0.5	20.17	466.2	464.3	462.2	-0.57	-0.31	-0.46	-22.9	-42.7	-49.6	-0.45	10	-111
0.8	19.25	470.9	469.1	467.1	-0.46	-0.22	-0.33	-23.3	-42.4	-50.0	-0.41	100	-132
1.0	18.73	475.6	473.8	471.7	-0.40	-0.15	-0.21	-23.6	-42.1	-50.7	-0.38	1000	-149
1.3	18.54	480.3	478.5	476.3	-0.39	-0.10	-0.10	-23.9	-42.2	-50.5	-0.33		
1.5	18.44	485.0	483.1	480.8	-0.39	-0.03	0.00	-24.2	-42.5	-49.9	-0.29		
1.8	18.46	489.7	487.7	485.4	-0.37	0.03	0.08	-24.5	-42.6	-49.0	-0.26		
2.0	18.40	494.4	492.3	489.9	-0.34	0.08	0.11	-24.7	-42.6	-48.8	-0.26		
2.3	18.46	499.1	496.9	494.5	-0.34	0.09	0.11	-24.6	-42.0	-48.3	-0.29		
2.5	18.51	503.7	501.5	499.1	-0.32	0.10	0.10	-24.7	-41.5	-48.1	-0.34		
2.8	18.52	508.4	506.1	503.7	-0.30	0.10	0.10	-24.9	-41.3	-48.1	-0.42		
3.0	18.49	513.0	510.8	508.3	-0.31	0.08	0.06	-25.2	-40.9	-48.0	-0.50		
3.3	18.36	517.6	515.4	512.9	-0.33	0.03	0.02	-25.2	-40.4	-48.0	-0.59		
3.5	18.26	522.2	519.9	517.5	-0.37	-0.02	-0.02	-25.3	-40.2	-48.2	-0.68		
3.8	17.98	526.7	524.4	522.0	-0.44	-0.11	-0.09	-25.5	-39.9	-48.1	-0.76		
4.0	17.75	531.1	528.9	526.4	-0.52	-0.19	-0.16	-25.9	-39.6	-48.0	-0.82		
4.3	17.42	535.4	533.2	530.7	-0.61	-0.29	-0.23	-26.1	-39.6	-47.9	-0.87		
4.5	17.08	539.7	537.5	535.0	-0.71	-0.38	-0.30	-26.0	-39.3	-47.5	-0.89		
4.8	16.68	543.8	541.7	539.1	-0.82	-0.48	-0.36	-26.1	-39.0	-47.3	-0.90		
5.0	16.27	547.9	545.7	543.2	-0.95	-0.59	-0.45	-26.3	-39.0	-46.9	-0.90		
5.3	15.86	551.9	549.7	547.1	-1.10	-0.70	-0.53	-26.6	-38.9	-46.4	-0.88		
5.5	15.46	555.8	553.6	551.0	-1.31	-0.88	-0.66	-26.8	-38.6	-45.9	-0.86		
5.8	14.96	559.5	557.3	554.7	-1.50	-1.04	-0.79	-26.9	-38.5	-45.2	-0.83		
6.0	14.62	563.2	560.9	558.3	-1.68	-1.20	-0.92	-27.0	-38.5	-44.8	-0.79		
6.3	14.22	566.8	564.5	561.8	-1.85	-1.35	-1.06	-27.0	-38.3	-44.0	-0.75		
6.5	13.82	570.3	568.0	565.2	-2.01	-1.49	-1.19	-27.1	-38.1	-43.5	-0.72		
6.8	13.48	573.7	571.3	568.6	-2.18	-1.64	-1.31	-27.3	-37.9	-43.2	-0.68		
7.0	13.17	577.0	574.6	571.8	-2.34	-1.79	-1.45	-27.4	-38.0	-42.6	-0.64		