

Voltage Controlled Oscillator

ROS-EDR5968

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			
0.5	19.58	306.4	305.1	303.6	5.56	4.47	2.80	-21.9	-34.1	-46.8	-0.44	1	-82
1.0	19.84	316.3	315.0	313.5	6.19	5.14	3.45	-22.1	-35.1	-47.3	-0.50	10	-107
1.5	19.12	326.0	324.6	323.0	6.46	5.46	3.80	-22.9	-36.0	-48.6	-0.45	100	-132
2.0	19.16	335.4	334.1	332.5	6.71	5.67	4.06	-22.9	-36.8	-49.1	-0.45	1000	-146
2.5	19.07	345.0	343.7	341.9	6.84	5.78	4.33	-23.3	-37.3	-50.9	-0.58		
3.0	18.54	354.3	352.9	351.4	6.95	6.00	4.43	-23.6	-37.1	-50.9	-0.58		
3.5	19.15	363.7	362.5	361.1	7.01	6.01	4.46	-24.0	-37.4	-48.2	-0.69		
4.0	19.02	373.1	372.0	370.7	7.00	6.03	4.49	-24.0	-38.1	-47.0	-0.83		
4.5	18.94	382.3	381.5	380.2	7.03	5.99	4.52	-24.8	-38.6	-45.4	-0.90		
5.0	18.57	391.5	390.8	389.5	6.97	5.97	4.58	-24.8	-38.6	-43.6	-1.00		
5.5	18.12	400.6	399.8	398.6	6.91	5.96	4.60	-25.1	-38.9	-42.0	-1.08		
6.0	17.59	409.3	408.6	407.6	6.90	6.01	4.62	-25.4	-39.3	-40.5	-1.22		
6.5	17.15	417.9	417.2	416.4	6.91	6.03	4.63	-25.4	-39.7	-38.6	-1.28		
7.0	16.94	426.2	425.7	424.9	6.90	6.03	4.66	-26.0	-40.1	-35.4	-1.39		
7.5	16.27	434.2	433.8	433.1	6.94	6.06	4.71	-26.1	-40.9	-33.1	-1.47		
8.0	15.82	441.9	441.7	441.0	7.01	6.06	4.71	-26.7	-40.2	-33.5	-1.54		
8.5	15.74	449.7	449.6	448.9	6.97	6.01	4.67	-27.4	-39.5	-35.5	-1.60		
9.0	15.27	457.4	457.2	456.6	6.88	5.95	4.62	-27.5	-39.2	-37.7	-1.61		
9.5	14.83	464.8	464.7	464.1	6.82	5.90	4.55	-27.9	-39.0	-39.8	-1.63		
10.0	14.44	472.0	471.9	471.5	6.78	5.86	4.49	-28.2	-38.8	-40.9	-1.66		
10.5	14.21	479.0	479.0	478.7	6.76	5.85	4.44	-28.5	-38.8	-42.0	-1.73		
11.0	13.66	485.9	485.8	485.6	6.74	5.82	4.39	-29.1	-38.7	-43.2	-1.74		
11.5	13.61	492.4	492.6	492.4	6.74	5.76	4.37	-29.5	-38.1	-43.6	-1.80		
12.0	13.27	498.9	499.2	498.9	6.69	5.69	4.34	-29.8	-37.8	-43.9	-1.82		
12.5	12.83	505.3	505.7	505.3	6.60	5.63	4.31	-30.2	-37.6	-43.6	-1.79		
13.0	12.42	511.6	511.9	511.4	6.51	5.56	4.28	-30.5	-37.2	-42.9	-1.86		
13.5	11.85	517.6	517.8	517.2	6.43	5.52	4.26	-30.5	-37.1	-42.6	-1.89		
14.0	11.51	523.5	523.6	522.9	6.36	5.47	4.23	-30.8	-36.8	-42.0	-1.92		
14.5	10.95	529.0	529.0	528.5	6.30	5.44	4.19	-31.1	-36.7	-41.6	-1.94		
15.0	10.51	534.3	534.3	533.8	6.25	5.41	4.14	-31.1	-36.3	-40.8	-1.99		
15.5	10.10	539.5	539.3	539.0	6.20	5.37	4.09	-31.1	-35.7	-40.1	-2.05		
16.0	9.86	544.3	544.3	544.0	6.16	5.34	4.02	-31.5	-35.4	-39.1	-2.18		
16.5	9.33	549.0	548.9	548.8	6.13	5.31	3.96	-31.8	-34.8	-38.2	-2.23		
17.0	9.05	553.4	553.4	553.5	6.15	5.28	3.93	-31.9	-34.2	-38.0	-2.35		
17.5	8.63	557.4	557.8	557.8	6.21	5.28	3.93	-31.9	-33.9	-37.0	-2.42		
18.0	8.10	561.4	561.8	562.0	6.25	5.31	3.94	-31.8	-33.6	-37.1	-2.41		
18.5	7.70	565.3	565.7	565.9	6.27	5.36	3.95	-31.9	-33.5	-37.6	-2.43		
19.0	7.50	569.1	569.4	569.8	6.32	5.39	3.93	-32.2	-33.7	-37.9	-2.42		