

Voltage Controlled Oscillator

ROS-EDR5949

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	12.67	283.6	281.3	280.1	3.38	2.89	2.52	-38.0	-55.4	-71.5	-0.38	1	-91
1.0	9.81	288.4	286.2	285.1	3.50	3.00	2.62	-39.1	-55.6	-72.0	-0.32	10	-113
1.5	8.48	292.5	290.4	289.4	3.61	3.11	2.70	-40.0	-55.8	-72.5	-0.27	100	-134
2.0	7.72	296.3	294.3	293.3	3.71	3.21	2.78	-41.0	-56.2	-72.7	-0.23	1000	-148
2.5	7.27	299.9	297.9	297.0	3.81	3.29	2.86	-42.1	-56.5	-72.9	-0.21		
3.0	7.00	303.3	301.4	300.5	3.89	3.38	2.95	-43.1	-57.0	-73.2	-0.19		
3.5	6.85	306.7	304.8	303.9	3.99	3.45	3.02	-44.0	-56.9	-74.1	-0.13		
4.0	6.75	310.1	308.2	307.3	4.09	3.52	3.10	-44.5	-57.6	-75.2	-0.13		
4.5	6.91	313.4	311.7	310.7	4.21	3.59	3.19	-45.2	-58.4	-75.2	-0.12		
5.0	6.86	316.8	315.1	314.2	4.32	3.65	3.27	-46.0	-58.9	-76.3	-0.14		
5.5	7.05	320.3	318.6	317.7	4.42	3.71	3.34	-47.1	-59.2	-75.5	-0.13		
6.0	7.24	323.9	322.3	321.3	4.50	3.76	3.40	-48.2	-60.4	-76.8	-0.13		
6.5	7.48	327.5	326.0	325.1	4.56	3.80	3.44	-49.1	-61.0	-77.1	-0.14		
7.0	7.74	331.4	329.9	328.9	4.60	3.84	3.47	-49.8	-62.3	-77.5	-0.13		
7.5	8.02	335.3	333.9	333.0	4.61	3.87	3.48	-50.4	-63.0	-76.7	-0.15		
8.0	8.27	339.5	338.0	337.1	4.62	3.89	3.49	-51.2	-64.1	-79.3	-0.14		
8.5	8.40	343.7	342.2	341.3	4.60	3.91	3.49	-52.3	-65.2	-79.4	-0.13		
9.0	8.83	348.0	346.6	345.6	4.59	3.93	3.49	-53.5	-66.4	-79.2	-0.18		
9.5	8.60	352.5	350.9	350.0	4.58	3.95	3.54	-54.2	-65.9	-78.1	-0.26		
10.0	8.60	356.8	355.2	354.3	4.62	3.97	3.56	-54.7	-65.3	-78.2	-0.30		
10.5	8.40	361.1	359.4	358.4	4.62	3.98	3.56	-55.7	-64.2	-78.2	-0.32		
11.0	8.09	365.2	363.5	362.5	4.63	4.00	3.57	-56.6	-63.6	-79.3	-0.37		
11.5	7.72	369.2	367.3	366.3	4.66	4.02	3.58	-56.9	-62.1	-80.1	-0.40		
12.0	7.30	372.9	371.0	370.0	4.68	4.03	3.57	-56.7	-61.4	-80.0	-0.44		
12.5	6.83	376.4	374.4	373.4	4.70	4.03	3.56	-56.8	-60.9	-79.4	-0.51		
13.0	6.40	379.7	377.6	376.7	4.71	4.03	3.55	-56.6	-60.5	-77.8	-0.38		
13.5	6.17	382.8	380.7	379.7	4.71	4.02	3.53	-56.1	-60.1	-78.2	-0.49		
14.0	5.71	385.7	383.5	382.6	4.71	3.99	3.50	-55.4	-59.6	-77.0	-0.51		
14.5	5.38	388.5	386.2	385.3	4.70	3.96	3.46	-54.8	-59.2	-77.1	-0.53		
15.0	5.10	391.1	388.8	387.9	4.67	3.92	3.41	-54.4	-59.5	-75.9	-0.54		
15.5	4.84	393.5	391.2	390.3	4.62	3.86	3.34	-53.8	-59.5	-76.0	-0.56		
16.0	4.61	395.9	393.5	392.6	4.56	3.79	3.26	-53.9	-59.3	-74.1	-0.58		
16.5	4.41	398.1	395.7	394.8	4.48	3.72	3.16	-53.9	-59.5	-74.4	-0.59		
17.0	4.22	400.3	397.8	396.9	4.39	3.63	3.06	-53.8	-59.7	-73.3	-0.61		