

Voltage Controlled Oscillator

ROS-EDR5320

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	11.56	284.4	282.7	281.1	4.51	3.78	2.61	-28.4	-35.5	-42.8	-0.28	1	-93
0.3	11.56	284.4	282.7	281.1	4.51	3.78	2.61	-28.4	-35.5	-42.8	-0.28	10	-117
0.5	10.46	286.9	285.3	284.0	5.27	4.53	3.35	-29.1	-36.5	-42.1	-0.30	100	-137
0.5	10.46	286.9	285.3	284.0	5.27	4.53	3.35	-29.1	-36.5	-42.1	-0.30	1000	-152
0.8	10.19	289.3	287.9	286.6	5.79	4.95	3.81	-29.3	-37.1	-41.8	-0.36		
0.8	10.19	289.3	287.9	286.6	5.79	4.95	3.81	-29.3	-37.1	-41.8	-0.36		
1.0	10.26	291.8	290.5	289.1	6.01	5.05	3.94	-29.2	-37.1	-41.7	-0.34		
1.3	10.13	294.3	293.0	291.6	6.08	5.06	3.99	-29.0	-37.1	-41.0	-0.30		
1.5	9.96	296.8	295.5	294.1	6.08	5.07	4.02	-28.9	-37.0	-40.5	-0.26		
1.8	9.95	299.4	298.0	296.6	6.05	5.06	4.03	-29.0	-37.2	-40.1	-0.24		
2.0	9.92	301.9	300.4	299.1	5.98	5.03	4.02	-29.4	-37.5	-39.1	-0.24		
2.3	10.14	304.4	303.0	301.6	5.86	4.96	3.99	-29.8	-37.8	-37.7	-0.26		
2.5	10.39	307.1	305.6	304.2	5.65	4.86	3.93	-30.0	-38.0	-36.4	-0.29		
2.8	10.73	310.0	308.3	306.9	5.42	4.74	3.87	-30.0	-38.5	-35.4	-0.31		
3.0	10.95	312.9	311.0	309.5	5.26	4.63	3.81	-29.6	-39.4	-34.4	-0.33		
3.3	10.84	315.6	313.7	312.2	5.28	4.57	3.77	-29.1	-40.7	-33.5	-0.36		
3.5	10.45	318.2	316.3	314.8	5.35	4.57	3.76	-28.8	-41.7	-33.5	-0.39		
3.8	10.30	320.6	318.9	317.4	5.44	4.60	3.77	-28.6	-42.3	-33.9	-0.43		
4.0	10.14	323.1	321.4	320.0	5.54	4.66	3.81	-28.8	-42.3	-34.2	-0.47		
4.3	10.13	325.6	324.0	322.5	5.63	4.71	3.87	-29.0	-42.1	-34.2	-0.52		
4.5	10.00	328.0	326.5	325.1	5.72	4.78	3.90	-29.2	-41.8	-34.4	-0.55		
4.8	9.87	330.4	328.9	327.6	5.82	4.83	3.90	-29.4	-41.3	-34.8	-0.60		
5.0	9.90	332.8	331.4	330.1	5.88	4.86	3.92	-29.5	-40.7	-35.5	-0.64		
5.3	9.90	335.2	333.9	332.6	5.93	4.88	3.92	-29.3	-39.9	-36.0	-0.68		
5.5	9.95	337.6	336.4	335.1	5.96	4.89	3.91	-29.3	-39.4	-37.2	-0.72		
5.8	9.92	340.0	338.9	337.6	5.98	4.88	3.89	-29.2	-39.2	-38.3	-0.75		
6.0	9.88	342.4	341.3	340.2	5.97	4.87	3.85	-29.4	-39.2	-38.9	-0.78		
6.3	9.81	344.9	343.8	342.7	5.96	4.84	3.80	-29.7	-38.8	-39.1	-0.82		
6.5	9.78	347.3	346.2	345.2	5.93	4.81	3.75	-30.1	-38.2	-39.1	-0.87		
6.8	9.83	349.7	348.7	347.8	5.90	4.77	3.70	-30.4	-37.6	-39.4	-0.93		
7.0	9.90	352.0	351.2	350.3	5.86	4.73	3.66	-30.7	-37.2	-40.0	-0.97		