

Voltage Controlled Oscillator

ROS-EDR8208

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			
0.00	87.59	4890.8	4875.5	4870.9	2.57	1.40	0.98	-33.5	-38.2	-53.1	0.79	1	-75
0.25	82.49	4911.9	4897.4	4893.1	2.79	1.63	1.34	-32.9	-37.7	-52.5	1.18	10	-104
0.50	80.09	4932.3	4918.0	4913.7	3.12	1.81	1.44	-32.6	-37.7	-52.4	1.42	100	-126
0.75	78.59	4952.1	4938.0	4933.8	3.29	2.06	1.66	-32.6	-37.3	-52.1	1.59	1000	-144
1.00	78.18	4971.7	4957.7	4953.4	3.39	2.30	1.89	-31.6	-36.9	-54.0	1.69		
1.25	78.91	4991.5	4977.2	4973.0	3.45	2.38	2.02	-32.4	-36.8	-56.1	1.83		
1.50	79.73	5011.3	4997.0	4992.7	3.63	2.24	2.02	-31.5	-36.9	-56.4	1.95		
1.75	80.95	5031.4	5016.9	5012.5	3.68	2.48	2.05	-32.2	-36.6	-57.2	2.03		
2.00	81.77	5051.8	5037.1	5032.7	3.64	2.49	2.23	-30.9	-34.9	-57.3	2.14		
2.25	83.45	5072.7	5057.6	5053.1	3.58	2.53	2.21	-31.4	-33.2	-58.0	2.19		
2.50	83.86	5093.7	5078.4	5073.9	3.60	2.44	2.15	-30.2	-31.8	-56.0	2.21		
2.75	84.90	5115.0	5099.4	5094.8	3.62	2.51	2.16	-30.6	-32.6	-55.9	2.04		
3.00	83.49	5136.2	5120.6	5115.9	3.58	2.50	2.27	-29.9	-35.5	-55.1	1.75		
3.25	82.69	5157.4	5141.5	5136.8	3.64	2.51	2.15	-29.9	-41.2	-54.9	1.17		
3.50	79.34	5177.9	5162.2	5157.4	3.59	2.57	2.26	-29.6	-51.9	-54.6	0.51		
3.75	75.96	5197.7	5182.0	5177.3	3.49	2.56	2.29	-29.2	-51.6	-54.9	0.34		
4.00	72.09	5216.7	5201.0	5196.3	3.36	2.55	2.26	-29.4	-42.2	-54.9	1.21		
4.25	67.04	5234.5	5219.0	5214.3	3.50	2.28	2.08	-27.7	-38.2	-54.8	1.95		
4.50	61.97	5251.1	5235.8	5231.1	3.44	2.43	2.03	-28.0	-36.1	-54.5	2.55		
4.90	53.25	5274.6	5259.7	5255.2	3.47	2.48	2.15	-26.9	-34.1	-55.8	2.92		
5.00	51.13	5280.2	5265.4	5260.8	3.45	2.48	2.15	-26.6	-33.9	-55.5	2.96		
5.25	45.91	5292.8	5278.2	5273.6	3.07	2.47	2.16	-26.6	-32.8	-56.0	2.83		
5.50	40.86	5304.1	5289.6	5285.1	2.97	2.35	2.21	-25.9	-32.2	-55.9	2.44		
5.75	36.28	5314.0	5299.8	5295.3	3.11	2.15	2.11	-25.3	-31.2	-56.0	1.88		
6.00	31.82	5322.8	5308.9	5304.3	3.20	2.05	1.90	-25.4	-30.3	-55.9	1.20		
6.25	27.84	5330.5	5316.9	5312.3	3.19	2.16	1.74	-25.4	-30.4	-55.6	0.45		
6.50	24.46	5337.2	5323.8	5319.4	3.16	2.24	1.75	-25.5	-30.0	-55.5	0.31		
6.75	21.56	5343.0	5329.9	5325.5	3.16	2.28	1.84	-25.8	-30.0	-56.6	1.03		
7.00	21.56	5348.1	5335.3	5330.9	3.11	2.29	1.93	-25.7	-30.1	-56.5	1.70		