

Voltage Controlled Oscillator

ROS-EDR5950

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	6.06	58.2	56.9	56.8	3.06	2.47	1.22	-28.6	-43.8	-47.2	0.03	1	-86
1.0	4.49	60.3	59.1	59.0	4.26	3.65	2.58	-30.9	-47.3	-48.4	0.12	10	-106
1.5	3.91	62.2	61.1	61.0	4.80	4.18	3.30	-33.1	-50.5	-49.0	0.14	100	-126
2.0	3.65	64.0	62.9	62.8	4.93	4.40	3.70	-32.8	-51.6	-49.4	0.14	1000	-146
2.5	3.51	65.7	64.7	64.5	4.94	4.50	3.93	-31.3	-51.7	-49.4	0.13		
3.0	3.44	67.4	66.4	66.2	4.93	4.56	4.08	-29.8	-51.3	-49.6	0.12		
3.5	3.41	69.1	68.1	67.9	4.93	4.61	4.19	-28.8	-51.0	-49.8	0.12		
4.0	3.43	70.8	69.8	69.6	4.93	4.65	4.28	-28.0	-50.7	-49.9	0.12		
4.5	3.48	72.5	71.6	71.3	4.94	4.70	4.36	-27.3	-50.7	-50.2	0.12		
5.0	3.57	74.2	73.4	73.1	4.97	4.75	4.44	-26.9	-50.9	-50.7	0.12		
5.5	3.68	76.1	75.2	74.9	5.03	4.81	4.52	-26.5	-51.0	-51.2	0.12		
6.0	3.81	77.9	77.1	76.7	5.09	4.88	4.61	-26.3	-50.6	-51.9	0.12		
6.5	3.97	79.9	79.1	78.7	5.15	4.96	4.69	-26.1	-50.1	-52.3	0.13		
7.0	4.12	81.9	81.1	80.7	5.22	5.04	4.76	-26.0	-48.5	-52.5	0.12		
7.5	4.27	84.1	83.3	82.9	5.29	5.11	4.82	-25.9	-47.0	-52.8	0.12		
8.0	4.40	86.2	85.5	85.0	5.36	5.16	4.86	-25.8	-45.1	-52.2	0.12		
8.5	4.48	88.4	87.7	87.3	5.39	5.19	4.87	-25.8	-43.4	-51.7	0.12		
9.0	4.52	90.7	90.0	89.5	5.40	5.19	4.85	-25.8	-41.8	-50.4	0.11		
9.5	4.54	92.9	92.3	91.8	5.39	5.15	4.79	-25.9	-40.5	-49.1	0.11		
10.0	4.53	95.2	94.5	94.1	5.36	5.09	4.70	-26.0	-39.2	-48.2	0.11		
10.5	4.50	97.4	96.8	96.3	5.33	5.04	4.63	-26.0	-38.1	-47.4	0.11		
11.0	4.46	99.6	99.0	98.6	5.27	4.95	4.52	-26.0	-37.2	-46.6	0.12		
11.5	4.44	101.8	101.2	100.8	5.19	4.85	4.41	-26.0	-36.4	-45.9	0.12		
12.0	4.42	104.0	103.4	103.1	5.10	4.74	4.29	-25.9	-35.8	-45.2	0.13		
12.5	4.44	106.2	105.6	105.3	4.99	4.61	4.15	-25.8	-35.1	-44.9	0.13		
13.0	4.49	108.4	107.9	107.6	4.85	4.47	4.00	-25.7	-34.4	-44.4	0.12		
13.5	4.55	110.7	110.2	109.9	4.70	4.31	3.84	-25.7	-33.8	-44.0	0.12		
14.0	4.64	113.0	112.5	112.2	4.54	4.14	3.67	-25.6	-33.4	-43.7	0.10		
14.5	4.77	115.4	114.9	114.6	4.36	3.96	3.49	-25.6	-33.1	-43.1	0.06		
15.0	4.93	118.0	117.3	117.1	4.17	3.76	3.29	-25.6	-32.8	-43.0	0.01		
15.5	5.13	120.6	119.9	119.7	3.95	3.54	3.07	-25.7	-32.4	-42.6	-0.06		
16.0	5.31	123.4	122.6	122.3	3.72	3.31	2.84	-25.7	-31.9	-42.3	-0.15		
16.5	5.46	126.3	125.3	125.0	3.48	3.06	2.60	-25.7	-31.5	-42.0	-0.28		
17.0	5.61	129.2	128.1	127.8	3.24	2.81	2.36	-25.8	-31.2	-41.7	-0.43		