

Voltage Controlled Oscillator

ROS-EDR4913/3

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	4.93	90.7	89.8	89.2	-1.14	0.09	0.76	-17.2	-35.0	-53.4	-0.02	1	-92
0.5	4.24	91.7	90.9	90.2	-1.16	0.08	0.76	-17.6	-35.3	-53.7	-0.03	10	-112
0.8	3.81	92.6	91.9	91.2	-1.18	0.06	0.75	-18.0	-35.6	-53.7	-0.03	100	-130
1.0	3.50	93.5	92.7	92.1	-1.20	0.04	0.74	-18.3	-35.8	-53.9	-0.03	1000	-141
1.3	3.27	94.3	93.5	92.9	-1.23	0.02	0.73	-18.6	-36.0	-54.2	-0.03		
1.5	3.10	95.0	94.3	93.8	-1.25	0.00	0.71	-18.8	-36.2	-54.4	-0.03		
1.8	2.96	95.7	95.1	94.5	-1.28	-0.03	0.70	-19.0	-36.5	-54.6	-0.04		
2.0	2.86	96.5	95.8	95.2	-1.31	-0.05	0.67	-19.3	-36.7	-55.3	-0.04		
2.3	2.77	97.1	96.5	95.9	-1.33	-0.08	0.65	-19.5	-36.9	-55.1	-0.04		
2.5	2.70	97.8	97.1	96.6	-1.36	-0.11	0.63	-19.7	-37.0	-55.4	-0.04		
2.8	2.64	98.5	97.8	97.3	-1.39	-0.14	0.60	-19.9	-37.2	-55.4	-0.04		
3.0	2.60	99.1	98.4	97.9	-1.43	-0.17	0.57	-20.1	-37.4	-55.2	-0.04		
3.3	2.57	99.7	99.1	98.6	-1.46	-0.20	0.54	-20.2	-37.6	-55.8	-0.04		
3.5	2.53	100.4	99.7	99.2	-1.50	-0.24	0.51	-20.4	-37.7	-55.9	-0.05		
3.8	2.52	101.0	100.4	99.8	-1.54	-0.28	0.47	-20.6	-37.9	-55.9	-0.05		
4.0	2.50	101.6	101.0	100.4	-1.58	-0.32	0.43	-20.7	-38.0	-56.1	-0.05		
4.3	2.50	102.2	101.6	101.1	-1.63	-0.36	0.39	-20.9	-38.2	-56.3	-0.05		
4.5	2.48	102.9	102.2	101.7	-1.67	-0.40	0.34	-21.1	-38.2	-56.3	-0.05		
4.8	2.48	103.5	102.8	102.3	-1.72	-0.45	0.29	-21.2	-38.4	-56.7	-0.05		
5.0	2.48	104.1	103.5	102.9	-1.77	-0.50	0.24	-21.4	-38.5	-56.8	-0.05		
5.3	2.47	104.7	104.1	103.6	-1.83	-0.55	0.18	-21.6	-38.6	-56.9	-0.06		
5.5	2.47	105.3	104.7	104.2	-1.88	-0.60	0.13	-21.7	-38.6	-57.3	-0.06		
5.8	2.46	105.9	105.3	104.8	-1.94	-0.66	0.06	-21.9	-38.8	-57.5	-0.06		
6.0	2.45	106.6	105.9	105.5	-1.99	-0.72	0.00	-22.0	-39.0	-57.8	-0.06		
6.3	2.44	107.2	106.5	106.0	-2.06	-0.78	-0.06	-22.2	-39.1	-57.8	-0.06		
6.5	2.42	107.8	107.1	106.6	-2.12	-0.84	-0.13	-22.4	-39.2	-58.6	-0.07		
6.8	2.40	108.4	107.7	107.3	-2.19	-0.91	-0.20	-22.5	-39.4	-58.6	-0.07		
7.0	2.38	108.9	108.3	107.8	-2.26	-0.98	-0.27	-22.7	-39.4	-58.3	-0.07		