

Voltage Controlled Oscillator

ROS-EDR4753/2

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	13.70	71.0	68.9	67.9	8.92	8.88	8.60	-13.2	-25.9	-51.9	-0.70	1	-85
1.0	11.50	76.2	74.6	74.0	9.87	9.91	9.63	-13.9	-27.9	-53.7	-0.58	10	-105
1.5	9.50	80.6	79.4	78.9	10.31	10.30	9.98	-14.5	-29.6	-49.4	-0.45	100	-125
2.0	8.60	84.9	83.7	83.1	10.56	10.50	10.15	-15.0	-30.7	-48.0	-0.51	1000	-147
2.5	8.30	89.0	87.8	87.3	10.75	10.63	10.28	-15.6	-31.3	-47.4	-0.38		
3.0	7.60	92.8	91.6	91.1	10.87	10.75	10.37	-16.1	-31.6	-46.9	-0.32		
3.5	7.40	96.4	95.3	94.7	10.98	10.80	10.41	-16.5	-31.8	-46.4	-0.19		
4.0	7.00	99.9	98.8	98.2	11.04	10.85	10.43	-16.8	-31.7	-46.5	-0.19		
4.5	7.00	103.5	102.3	101.8	11.09	10.87	10.44	-17.0	-31.3	-46.0	-0.13		
5.0	7.00	106.9	105.9	105.3	11.15	10.88	10.44	-17.4	-31.2	-46.0	-0.13		
5.5	7.20	110.5	109.4	108.9	11.17	10.87	10.44	-17.7	-30.8	-45.8	-0.13		
6.0	7.20	114.1	113.0	112.5	11.17	10.85	10.42	-18.0	-30.5	-45.8	-0.13		
6.5	7.40	117.8	116.7	116.1	11.16	10.82	10.39	-18.3	-30.1	-45.3	-0.13		
7.0	7.30	121.5	120.4	119.8	11.15	10.78	10.36	-18.6	-29.9	-45.4	-0.19		
7.5	7.70	125.3	124.2	123.6	11.11	10.73	10.32	-19.0	-29.5	-45.5	-0.19		
8.0	7.70	129.1	128.1	127.4	11.05	10.67	10.27	-19.5	-29.3	-45.6	-0.19		
8.5	7.70	133.0	131.9	131.3	11.00	10.60	10.22	-19.9	-28.9	-45.7	-0.32		
9.0	7.80	136.8	135.8	135.2	10.95	10.53	10.16	-20.3	-28.7	-45.1	-0.32		
9.5	7.80	140.7	139.7	139.1	10.88	10.45	10.10	-20.8	-28.2	-44.7	-0.38		
10.0	7.80	144.6	143.6	143.0	10.80	10.37	10.03	-21.3	-28.0	-44.6	-0.38		
10.5	7.80	148.4	147.5	146.9	10.69	10.28	9.94	-21.9	-27.7	-44.2	-0.38		
11.0	7.60	152.3	151.3	150.7	10.59	10.20	9.86	-22.5	-27.5	-43.8	-0.45		
11.5	7.60	155.9	155.1	154.4	10.50	10.13	9.75	-22.9	-27.4	-43.2	-0.45		
12.0	7.40	159.6	158.8	158.1	10.39	10.04	9.64	-23.3	-27.3	-43.1	-0.45		
12.5	7.20	163.1	162.4	161.7	10.28	9.96	9.52	-23.8	-27.2	-43.2	-0.45		
13.0	7.00	166.6	165.9	165.3	10.16	9.88	9.39	-24.3	-27.5	-43.3	-0.51		
13.5	6.80	170.0	169.3	168.7	10.03	9.80	9.26	-24.9	-27.4	-43.0	-0.51		
14.0	6.50	173.3	172.5	172.0	9.91	9.71	9.11	-25.3	-27.7	-43.0	-0.58		