

Voltage Controlled Oscillator

ROS-ED9556/1

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	16.52	119.1	116.4	115.0	1.40	1.18	1.17	-11.9	-17.9	-33.3	1.30	1	-80
0.5	15.19	121.1	118.7	117.5	1.29	1.14	1.08	-12.3	-18.0	-33.7	1.33	10	-108
0.6	14.26	123.1	120.8	119.7	1.24	1.05	1.04	-12.7	-18.1	-33.6	1.34	100	-128
0.8	13.32	124.9	122.8	121.8	1.14	0.99	0.94	-13.0	-18.2	-34.1	1.35	1000	-148
0.9	12.43	126.7	124.7	123.8	1.04	0.90	0.89	-13.2	-18.4	-33.8	1.36		
1.1	11.97	128.4	126.5	125.6	1.01	0.81	0.80	-13.4	-18.6	-33.6	1.37		
1.2	11.50	130.0	128.2	127.4	0.92	0.79	0.72	-13.6	-18.7	-33.5	1.39		
1.4	11.01	131.6	129.9	129.1	0.83	0.71	0.70	-13.8	-18.9	-33.4	1.41		
1.5	10.59	133.1	131.5	130.7	0.81	0.64	0.62	-13.9	-19.1	-32.8	1.43		
1.7	10.20	134.6	133.0	132.3	0.72	0.63	0.56	-14.1	-19.2	-32.7	1.45		
1.8	9.90	136.0	134.5	133.8	0.64	0.55	0.55	-14.2	-19.4	-32.6	1.46		
2.0	9.50	137.4	135.9	135.2	0.55	0.48	0.47	-14.3	-19.6	-32.3	1.47		
2.1	9.14	138.7	137.3	136.6	0.55	0.41	0.40	-14.4	-19.8	-32.0	1.47		
2.3	8.89	140.0	138.6	137.9	0.48	0.40	0.40	-14.5	-20.0	-31.7	1.47		
2.4	8.63	141.2	139.9	139.2	0.40	0.34	0.32	-14.6	-20.2	-31.7	1.47		
2.6	8.19	142.3	141.1	140.5	0.34	0.26	0.26	-14.6	-20.4	-31.4	1.48		
2.7	8.06	143.5	142.3	141.7	0.35	0.20	0.20	-14.7	-20.7	-31.3	1.51		
2.9	7.85	144.6	143.5	142.9	0.30	0.20	0.20	-14.7	-20.8	-31.1	1.57		
3.0	7.73	145.7	144.7	144.0	0.24	0.15	0.15	-14.8	-21.0	-30.9	1.64		
3.2	7.64	146.7	145.8	145.2	0.20	0.09	0.09	-14.8	-21.2	-31.0	1.71		
3.3	7.51	147.8	147.0	146.3	0.25	0.04	0.04	-14.9	-21.4	-30.5	1.74		
3.5	7.31	148.8	148.1	147.4	0.21	0.07	0.01	-15.0	-21.6	-30.5	1.73		
3.6	7.03	149.7	149.1	148.5	0.20	0.02	0.03	-15.0	-21.8	-30.7	1.69		
3.8	6.75	150.7	150.1	149.5	0.17	-0.01	-0.01	-15.1	-21.9	-30.5	1.64		
3.9	6.45	151.6	151.1	150.5	0.16	-0.03	-0.06	-15.2	-22.2	-30.5	1.59		
4.1	6.22	152.5	152.0	151.5	0.14	-0.06	-0.08	-15.2	-22.4	-30.3	1.55		
4.2	5.96	153.3	152.9	152.4	0.20	-0.02	-0.12	-15.3	-22.5	-30.3	1.52		
4.4	5.79	154.2	153.8	153.3	0.19	-0.03	-0.06	-15.5	-22.7	-30.5	1.49		
4.5	5.60	155.0	154.6	154.2	0.18	-0.05	-0.09	-15.6	-22.8	-30.6	1.48		
4.7	5.42	155.8	155.4	155.1	0.17	-0.06	-0.11	-15.7	-22.9	-30.5	1.47		
4.8	5.30	156.6	156.2	155.9	0.15	-0.07	-0.14	-15.9	-23.0	-30.5	1.46		
5.0	5.13	157.3	157.0	156.7	0.14	-0.08	-0.15	-16.0	-23.0	-30.5	1.46		
5.1	5.00	158.1	157.7	157.4	0.18	-0.04	-0.16	-16.1	-23.2	-30.7	1.45		
5.3	4.90	158.8	158.5	158.2	0.18	-0.05	-0.13	-16.3	-23.3	-30.7	1.45		
5.4	4.73	159.5	159.2	158.9	0.17	-0.06	-0.13	-16.4	-23.4	-30.7	1.45		
5.6	4.58	160.2	159.9	159.6	0.17	-0.06	-0.14	-16.5	-23.3	-30.6	1.45		
5.7	4.49	160.9	160.6	160.3	0.16	-0.06	-0.16	-16.7	-23.5	-30.8	1.45		
5.9	4.39	161.5	161.2	160.9	0.16	-0.06	-0.16	-16.9	-23.7	-30.7	1.44		
6.0	4.20	162.2	161.8	161.6	0.16	-0.06	-0.16	-17.1	-23.7	-31.0	1.44		