

Voltage Controlled Oscillator

ROS-ED9544/2

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			
0.2	45.31	101.0	94.9	90.0	0.21	0.62	0.78	-6.6	-28.8	-31.5	6.04	1	-88
0.3	44.07	106.1	101.5	97.9	0.08	0.42	0.56	-8.1	-28.2	-32.5	5.27	10	-112
0.5	36.15	110.6	107.0	104.2	-0.07	0.17	0.26	-9.6	-27.7	-34.2	4.46	100	-132
0.6	30.79	114.7	111.6	109.3	-0.23	-0.04	0.00	-11.1	-27.2	-35.2	3.79	1000	-152
0.8	26.64	118.4	115.6	113.6	-0.37	-0.21	-0.20	-12.3	-27.1	-36.4	3.21		
0.9	23.49	121.6	119.1	117.3	-0.55	-0.32	-0.38	-13.5	-27.1	-37.4	2.60		
1.1	20.91	124.7	122.2	120.6	-0.63	-0.46	-0.48	-14.4	-27.1	-37.9	2.07		
1.2	19.14	127.5	125.1	123.5	-0.63	-0.51	-0.54	-15.4	-27.3	-38.4	1.71		
1.4	17.72	130.1	127.8	126.2	-0.66	-0.51	-0.62	-16.2	-27.5	-38.9	1.51		
1.5	16.58	132.5	130.3	128.7	-0.62	-0.57	-0.63	-16.9	-27.5	-38.7	1.41		
1.7	15.59	134.7	132.6	131.1	-0.51	-0.57	-0.68	-17.5	-27.8	-38.5	1.36		
1.8	14.76	136.8	134.8	133.4	-0.44	-0.60	-0.65	-18.3	-28.0	-38.7	1.32		
2.0	13.80	138.7	136.9	135.5	-0.30	-0.62	-0.70	-18.9	-28.3	-38.4	1.32		
2.1	12.96	140.6	138.8	137.5	-0.25	-0.55	-0.74	-19.5	-28.5	-38.6	1.32		
2.3	12.24	142.4	140.7	139.4	-0.20	-0.54	-0.68	-20.0	-28.9	-38.4	1.35		
2.4	11.55	144.1	142.4	141.2	-0.09	-0.50	-0.70	-20.5	-29.3	-38.1	1.38		
2.6	10.70	145.6	144.0	142.8	-0.04	-0.40	-0.65	-21.0	-29.4	-37.8	1.43		
2.7	10.18	147.1	145.5	144.4	-0.01	-0.35	-0.64	-21.5	-29.7	-38.6	1.48		
2.9	9.61	148.5	147.0	145.9	0.10	-0.31	-0.65	-21.9	-29.7	-38.2	1.52		
3.0	9.01	149.9	148.3	147.3	0.12	-0.21	-0.63	-22.4	-29.9	-38.3	1.56		
3.2	8.41	151.1	149.6	148.6	0.14	-0.16	-0.54	-22.8	-30.1	-38.3	1.60		
3.3	7.85	152.2	150.8	149.8	0.16	-0.13	-0.51	-23.3	-30.2	-38.0	1.63		
3.5	7.31	153.3	151.9	150.9	0.26	-0.09	-0.50	-23.6	-30.4	-38.4	1.65		
3.6	6.78	154.3	152.9	152.0	0.27	0.01	-0.47	-23.9	-30.5	-38.3	1.66		
3.8	6.24	155.2	153.8	152.9	0.29	0.04	-0.37	-24.2	-30.5	-38.4	1.65		
3.9	5.71	156.1	154.7	153.8	0.30	0.07	-0.36	-24.5	-30.7	-37.9	1.64		
4.1	5.23	156.9	155.4	154.6	0.30	0.10	-0.32	-24.8	-30.6	-38.1	1.61		
4.2	4.75	157.6	156.2	155.3	0.37	0.11	-0.30	-25.0	-30.7	-38.7	1.59		
4.4	4.33	158.2	156.8	156.0	0.38	0.14	-0.28	-25.3	-30.7	-38.1	1.55		
4.5	3.93	158.8	157.4	156.6	0.39	0.16	-0.26	-25.5	-31.0	-38.3	1.50		
4.7	3.50	159.3	157.9	157.1	0.41	0.23	-0.25	-25.8	-30.9	-38.1	1.45		
4.8	3.18	159.8	158.4	157.6	0.41	0.25	-0.18	-26.0	-30.9	-38.1	1.39		
5.0	2.81	160.2	158.8	158.0	0.43	0.27	-0.16	-26.1	-30.9	-37.8	1.34		
5.1	2.52	160.6	159.2	158.4	0.44	0.29	-0.15	-26.4	-31.0	-38.0	1.27		
5.3	2.24	161.0	159.5	158.7	0.46	0.31	-0.12	-26.4	-31.0	-38.0	1.22		
5.4	1.97	161.3	159.8	159.0	0.48	0.32	-0.11	-26.5	-31.1	-37.8	1.15		
5.6	1.75	161.6	160.1	159.3	0.49	0.34	-0.10	-26.8	-31.1	-37.7	1.09		
5.7	1.53	161.8	160.3	159.5	0.50	0.34	-0.10	-26.9	-31.1	-37.6	1.04		
5.9	1.38	162.0	160.5	159.7	0.51	0.36	-0.09	-27.0	-31.1	-37.8	0.97		
6.0	1.17	162.2	160.7	159.9	0.51	0.36	-0.07	-27.0	-31.2	-37.7	0.91		