

Voltage Controlled Oscillator

POS-ED9503/1

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			
0.5	11.04	58.7	58.6	57.2	7.34	7.33	7.19	-20.4	-32.4	-52.2	0.47	1	-87
1.0	7.72	62.5	62.4	61.3	7.76	7.78	7.59	-21.9	-35.7	-54.1	0.47	10	-110
1.5	6.60	65.8	65.7	64.8	8.11	8.18	7.99	-22.9	-39.0	-49.8	0.32	100	-130
2.0	5.89	68.7	68.7	67.8	8.39	8.50	8.32	-23.9	-42.7	-47.1	0.26	1000	-150
2.5	5.57	71.6	71.5	70.6	8.64	8.79	8.62	-24.8	-46.6	-44.8	0.22		
3.0	5.45	74.3	74.2	73.3	8.86	9.06	8.89	-25.8	-48.6	-42.8	0.19		
3.5	5.44	77.1	76.9	76.0	9.06	9.31	9.13	-26.7	-45.8	-41.6	0.17		
4.0	5.50	79.9	79.7	78.8	9.29	9.56	9.37	-27.5	-42.2	-40.4	0.18		
4.5	6.28	83.1	82.8	81.8	9.51	9.80	9.61	-28.4	-39.5	-39.5	0.16		
5.0	5.99	86.2	85.8	84.7	9.73	10.03	9.82	-28.8	-37.1	-38.9	0.18		
5.5	6.36	89.5	89.0	87.8	9.96	10.26	10.03	-29.0	-35.3	-38.3	0.22		
6.0	6.65	92.9	92.3	91.0	10.19	10.48	10.22	-28.9	-33.4	-37.8	0.30		
6.5	6.90	96.5	95.7	94.3	10.41	10.70	10.41	-28.7	-32.2	-37.5	0.41		
7.0	7.11	100.1	99.3	97.8	10.64	10.90	10.58	-28.6	-30.9	-37.4	0.53		
7.5	7.22	103.8	102.9	101.3	10.85	11.07	10.70	-28.7	-29.8	-37.7	0.66		
8.0	7.30	107.5	106.6	104.8	11.04	11.21	10.79	-29.2	-28.7	-37.9	0.78		
8.5	7.26	111.1	110.2	108.3	11.21	11.31	10.84	-30.0	-27.8	-38.4	0.88		
9.0	7.19	114.8	113.8	111.8	11.36	11.36	10.84	-30.8	-26.8	-38.8	0.97		
9.5	7.08	118.4	117.3	115.2	11.47	11.34	10.80	-30.5	-25.9	-39.3	1.04		
10.0	6.92	121.9	120.8	118.6	11.54	11.28	10.71	-28.5	-24.9	-39.0	1.08		
10.5	6.75	125.4	124.2	121.9	11.53	11.16	10.55	-25.7	-23.8	-37.4	1.13		
11.0	6.57	128.7	127.4	125.1	11.46	10.99	10.35	-23.0	-22.9	-35.4	1.17		
11.5	6.40	132.0	130.6	128.2	11.34	10.76	10.13	-20.5	-22.0	-33.6	1.21		
12.0	6.19	135.2	133.7	131.2	11.19	10.50	9.90	-18.4	-21.3	-32.2	1.27		
12.5	5.98	138.2	136.7	134.2	11.00	10.24	9.67	-16.6	-20.7	-30.4	1.33		
13.0	5.79	141.1	139.6	137.0	10.77	9.99	9.45	-14.9	-20.0	-28.3	1.40		
13.5	5.57	143.9	142.4	139.7	10.51	9.76	9.24	-13.4	-19.4	-26.3	1.46		
14.0	5.35	146.6	145.1	142.3	10.26	9.54	9.03	-12.1	-18.6	-24.3	1.52		
14.5	5.13	149.2	147.7	144.8	10.00	9.34	8.82	-10.8	-17.9	-22.8	1.56		
15.0	4.89	151.7	150.1	147.2	9.76	9.17	8.65	-9.7	-17.2	-21.5	1.60		
15.5	4.67	154.0	152.4	149.5	9.52	9.00	8.49	-8.7	-16.6	-20.2	1.63		
16.0	4.46	156.3	154.7	151.7	9.30	8.84	8.36	-7.7	-16.0	-19.1	1.64		
16.5	4.25	158.4	156.8	153.8	9.10	8.71	8.24	-6.7	-15.4	-17.9	1.65		
17.0	4.03	160.5	158.8	155.7	8.92	8.59	8.15	-5.7	-14.8	-16.8	1.66		
17.5	3.82	162.4	160.7	157.6	8.77	8.49	8.06	-5.0	-14.2	-15.8	1.65		
18.0	3.63	164.2	162.5	159.3	8.63	8.41	7.98	-4.2	-13.6	-14.7	1.64		
18.5	3.43	166.0	164.2	161.0	8.51	8.33	7.90	-3.5	-13.0	-13.8	1.61		
19.0	3.25	167.6	165.9	162.6	8.40	8.25	7.84	-2.9	-12.5	-13.0	1.59		
19.5	3.07	169.2	167.4	164.0	8.29	8.18	7.76	-2.3	-11.9	-12.5	1.56		
20.0	2.88	170.6	168.9	165.4	8.20	8.11	7.69	-1.8	-11.4	-11.8	1.54		