

# Voltage Controlled Oscillator

# ZOS-200+

## 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			
1.0	11.10	94.7	92.1	91.0	11.35	8.84	10.23	-34.2	-24.5	-36.0	0.15	10	-106
2.0	9.20	103.2	101.2	100.4	11.37	9.09	10.28	-30.8	-24.3	-35.5	0.24	100	-126
3.0	8.80	112.2	110.0	109.1	11.23	10.84	10.07	-26.7	-25.7	-37.4	0.16	1000	-141
4.0	8.00	120.3	118.0	117.0	11.27	10.85	10.06	-26.4	-25.9	-37.7	0.17		
5.0	7.70	127.9	125.7	124.6	11.28	10.76	10.00	-26.6	-26.5	-38.5	0.13		
6.0	7.50	135.5	133.2	132.2	11.55	10.69	9.93	-26.9	-26.7	-38.9	0.15		
7.0	7.70	143.1	140.9	139.8	11.54	10.93	10.13	-27.2	-26.9	-38.7	0.20		
8.0	7.70	150.7	148.7	147.6	11.69	10.98	10.18	-27.6	-27.3	-39.0	0.22		
9.0	7.90	158.7	156.5	155.3	11.52	10.78	9.99	-28.7	-27.7	-38.7	0.26		
10.0	7.70	166.1	164.2	163.2	11.87	10.65	9.84	-29.5	-28.2	-38.2	0.18		
11.0	7.70	173.9	171.9	170.7	11.75	10.97	10.16	-30.8	-28.6	-37.6	0.25		
12.0	7.00	180.9	179.0	177.9	11.26	10.45	9.61	-31.3	-29.1	-37.1	0.12		
13.0	6.90	187.6	185.9	184.8	11.56	10.73	9.47	-32.0	-29.8	-36.7	0.10		
14.0	6.50	194.2	192.4	191.2	11.47	10.63	9.79	-32.9	-29.9	-36.2	0.15		
15.0	5.80	200.0	198.2	197.1	11.36	10.52	9.67	-33.1	-30.1	-36.3	0.15		
16.0	5.40	205.2	203.6	202.5	11.22	10.45	9.59	-33.4	-30.6	-36.2	0.33		