

# Voltage Controlled Oscillator

# ZOS-75+

## 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	4.40	34.9	34.7	34.3	10.46	10.18	9.28	-24.5	-26.2	-46.0	0.11	10	-110
2.0	3.40	38.3	38.1	37.8	11.15	10.85	9.98	-25.0	-26.1	-39.6	0.14	100	-128
3.0	3.00	41.2	41.1	40.8	11.19	10.90	10.00	-24.7	-26.3	-38.5	0.06	1000	-142
4.0	2.70	44.0	43.8	43.5	11.22	10.91	9.99	-24.3	-26.3	-37.8	0.04		
5.0	2.70	46.7	46.5	46.2	10.96	10.64	9.70	-24.0	-26.5	-37.7	0.02		
6.0	2.80	49.5	49.2	48.9	10.94	10.60	9.66	-24.0	-26.5	-37.3	0.02		
7.0	2.90	52.4	52.2	51.9	10.91	10.53	9.59	-23.9	-26.4	-36.9	0.02		
8.0	3.10	55.5	55.3	54.9	10.68	10.26	9.49	-23.8	-26.3	-36.8	0.04		
9.0	3.30	58.8	58.5	58.2	10.59	10.13	9.19	-23.8	-26.2	-36.8	0.05		
10.0	3.40	62.2	62.0	61.7	10.48	9.97	9.03	-24.0	-26.3	-36.8	0.07		
11.0	3.60	65.8	65.5	65.2	10.19	9.64	8.69	-24.2	-26.3	-37.0	0.08		
12.0	3.60	69.4	69.1	68.8	10.02	9.44	8.50	-24.3	-26.3	-37.1	0.08		
13.0	3.70	73.2	72.8	72.5	9.82	9.22	8.28	-24.4	-26.2	-37.4	0.08		
14.0	3.80	77.1	76.7	76.3	9.45	8.85	7.91	-24.4	-26.0	-37.9	0.09		
15.0	3.90	81.0	80.6	80.2	9.22	8.62	7.69	-24.3	-25.8	-38.5	0.14		
16.0	4.00	85.0	84.5	84.1	8.99	8.39	7.47	-24.4	-25.6	-39.1	0.21		