

Voltage Controlled Oscillator

ZX95-6030C-S+

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	F0.5	F1.5	F2			
0.00	83.8	5826.6	5812.3	5798.4	3.4	2.3	1.3	-38.0	-37.4	-31.1	1.9	1	-73
0.25	74.8	5846.2	5833.2	5820.4	3.5	2.6	1.4	-37.6	-38.2	-32.3	0.1	10	-102
0.50	70.5	5864.2	5852.0	5839.4	3.7	2.7	1.6	-37.9	-39.5	-29.6	0.6	100	-124
0.75	68.5	5881.7	5869.6	5857.3	3.6	2.8	1.8	-37.9	-38.9	-33.9	1.0	1000	-143
1.00	67.7	5898.8	5886.7	5874.4	3.8	2.8	1.8	-37.8	-38.6	-30.4	1.3		
1.25	67.9	5915.7	5903.6	5891.3	3.7	2.8	1.8	-37.3	-39.3	-32.7	1.5		
1.50	68.1	5932.5	5920.6	5908.1	3.7	2.8	1.8	-37.3	-39.0	-32.6	1.7		
1.75	68.3	5949.5	5937.6	5925.0	3.7	2.8	1.7	-36.9	-38.5	-31.7	1.8		
2.00	69.6	5966.7	5954.7	5942.0	3.6	2.8	1.7	-36.5	-39.4	-34.2	2.0		
2.25	71.1	5984.4	5972.1	5959.2	3.4	2.7	1.7	-36.4	-39.8	-34.1	2.1		
2.50	72.5	6002.3	5989.9	5976.8	3.5	2.5	1.5	-35.9	-39.1	-32.3	2.2		
2.75	73.0	6020.4	6008.0	5994.8	3.3	2.4	1.3	-35.9	-38.5	-35.5	2.2		
3.00	74.2	6038.9	6026.2	6013.0	3.1	2.4	1.2	-36.0	-38.8	-31.8	2.2		
3.25	74.3	6057.6	6044.8	6031.2	2.8	2.2	1.1	-35.5	-38.5	-35.6	2.1		
3.50	76.0	6076.9	6063.3	6049.7	2.4	1.9	1.0	-34.9	-36.4	-32.8	2.0		
3.75	75.1	6096.3	6082.4	6068.1	2.5	1.5	0.7	-34.4	-37.1	-34.2	2.0		
4.00	71.9	6115.1	6101.1	6086.7	2.2	1.5	0.2	-34.0	-36.5	-33.1	1.6		
4.25	67.7	6132.9	6119.1	6104.9	2.0	1.3	0.3	-33.9	-36.0	-30.7	1.3		
4.50	62.6	6149.6	6136.0	6122.0	1.7	1.1	0.1	-33.6	-35.6	-32.4	1.0		
4.75	57.0	6165.1	6151.7	6137.9	1.5	0.9	-0.1	-32.8	-35.6	-29.7	0.8		
5.00	52.0	6179.4	6165.9	6152.5	1.2	0.8	-0.3	-32.6	-36.8	-27.9	0.8		
5.25	46.6	6192.3	6178.9	6165.6	0.9	0.5	-0.4	-32.3	-35.0	-30.6	1.0		
5.50	41.0	6203.5	6190.6	6177.3	0.8	0.2	-0.6	-32.1	-33.8	-28.5	1.3		
5.75	35.5	6213.4	6200.8	6187.8	0.7	-0.1	-0.9	-31.6	-34.2	-27.0	1.7		
6.00	31.1	6222.1	6209.7	6197.0	0.5	-0.1	-1.1	-31.8	-36.2	-26.3	2.2		
6.25	27.5	6229.9	6217.5	6205.1	0.3	-0.2	-1.3	-31.3	-36.1	-26.4	2.7		
6.50	24.8	6237.0	6224.3	6212.0	0.1	-0.3	-1.3	-31.3	-35.2	-27.5	3.2		
6.75	22.9	6243.6	6230.5	6218.2	0.0	-0.4	-1.3	-31.5	-34.7	-27.4	3.7		
7.00	22.9	6249.4	6236.2	6223.6	-0.2	-0.5	-1.3	-31.0	-34.3	-27.0	4.2		

Notes

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