

Voltage Controlled Oscillator

ZX95-1480-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	F2	F3	F4			
0.0	127.7	593.2	574.2	556.8	5.0	5.2	5.0	-14.2	-18.6	-22.8	1.8	1	-68
0.5	101.8	655.0	638.1	622.3	5.2	5.4	5.3	-15.8	-16.7	-23.3	1.2	10	-98
1.0	90.2	705.6	689.0	673.2	5.4	5.7	5.5	-17.5	-15.8	-24.6	1.0	100	-120
1.5	85.7	750.7	734.0	718.1	5.6	5.8	5.6	-19.8	-15.5	-26.4	0.8	1000	-140
2.0	87.4	793.4	776.9	760.8	5.8	5.9	5.6	-21.1	-15.4	-28.3	0.8		
2.5	85.6	839.1	820.5	803.1	6.0	6.0	5.7	-22.8	-15.4	-30.5	0.9		
3.0	82.8	883.5	863.3	845.3	6.3	6.1	5.7	-22.9	-15.1	-31.4	1.0		
3.5	81.9	925.2	904.8	886.5	6.5	6.2	5.7	-22.8	-14.8	-32.6	1.2		
4.0	83.8	966.9	945.7	927.8	6.5	6.2	5.7	-23.7	-15.2	-34.4	1.4		
4.5	84.8	1008.1	987.6	970.5	6.5	6.1	5.6	-23.1	-15.5	-35.4	1.7		
5.0	85.9	1050.4	1030.0	1013.2	6.4	6.0	5.5	-23.5	-16.3	-35.9	2.1		
5.7	87.1	1113.7	1094.0	1078.6	6.2	5.7	5.2	-22.7	-17.8	-34.3	2.6		
6.0	86.4	1135.9	1116.8	1101.7	6.1	5.7	5.1	-22.3	-18.3	-33.3	2.7		
6.5	88.2	1179.5	1160.0	1145.8	6.0	5.5	4.9	-21.8	-19.6	-33.2	3.0		
7.0	84.5	1222.0	1204.1	1190.5	5.9	5.4	4.8	-21.6	-21.1	-32.0	3.1		
7.5	86.2	1264.9	1246.4	1233.2	5.7	5.2	4.6	-20.5	-22.3	-31.9	3.2		
8.0	79.8	1306.9	1289.5	1276.6	5.6	5.1	4.4	-21.1	-23.9	-32.1	3.3		
8.5	79.2	1346.4	1329.4	1317.3	5.5	5.0	4.3	-20.2	-25.2	-32.3	3.1		
9.0	74.3	1386.0	1369.0	1356.6	5.4	4.9	4.2	-19.8	-26.3	-32.8	3.2		
9.5	70.8	1422.3	1406.1	1394.5	5.2	4.8	4.0	-19.7	-26.2	-32.8	3.0		
10.0	67.9	1457.6	1441.6	1430.0	5.1	4.6	3.9	-18.7	-25.1	-32.9	3.0		
10.5	65.2	1491.4	1475.5	1464.3	5.0	4.5	3.7	-18.3	-24.5	-33.9	2.9		
11.0	62.1	1523.7	1508.2	1497.1	4.8	4.4	3.5	-18.0	-23.5	-34.5	2.9		
11.5	57.8	1554.0	1539.2	1528.5	4.7	4.2	3.4	-17.7	-22.6	-34.3	2.7		
12.0	56.9	1582.9	1568.1	1557.9	4.5	4.1	3.2	-17.5	-22.1	-34.8	2.7		
12.5	54.4	1611.4	1596.5	1586.2	4.3	3.9	3.0	-17.0	-21.9	-35.7	2.7		
13.0	49.3	1637.5	1623.7	1613.8	4.2	3.7	2.8	-17.4	-21.2	-36.1	2.6		
13.5	46.5	1661.8	1648.3	1639.0	4.1	3.6	2.6	-16.9	-21.1	-36.8	2.5		
14.0	46.4	1685.4	1671.6	1662.6	3.9	3.4	2.4	-16.9	-20.8	-36.4	2.5		
14.5	43.5	1708.6	1694.8	1685.4	3.7	3.2	2.2	-17.0	-21.1	-36.8	2.5		
15.0	43.5	1729.4	1716.5	1707.5	3.6	3.1	1.9	-17.1	-21.0	-37.1	2.4		