

Voltage Controlled Oscillator

ZX95-1505+

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			
0.00	93.96	1341.1	1330.7	1320.6	-1.37	-1.41	-1.81	-17.2	-34.7	-48.4	5.96	1	-77
0.25	81.40	1363.9	1354.2	1343.1	-1.04	-0.98	-0.78	-17.8	-32.5	-46.4	5.50	10	-103
0.50	71.52	1383.7	1374.5	1364.1	-0.85	-0.78	-0.47	-19.2	-32.8	-46.5	3.96	100	-126
0.75	65.43	1401.2	1392.4	1382.6	-0.68	-0.62	-0.35	-19.6	-33.7	-47.6	2.91	1000	-145
1.00	60.82	1417.5	1408.8	1399.1	-0.58	-0.51	-0.17	-20.3	-34.0	-47.6	2.21		
1.25	57.80	1432.7	1424.0	1414.5	-0.45	-0.44	-0.16	-21.1	-34.4	-48.8	1.68		
1.50	55.06	1447.1	1438.4	1428.9	-0.27	-0.34	-0.13	-21.5	-34.5	-49.4	1.25		
1.75	52.80	1460.9	1452.2	1442.6	-0.13	-0.15	0.00	-21.8	-34.6	-49.0	0.90		
2.00	51.04	1474.3	1465.4	1455.8	-0.02	-0.02	0.15	-22.3	-34.9	-53.2	0.59		
2.25	49.68	1487.1	1478.1	1468.5	0.06	0.06	0.24	-22.9	-34.5	-52.2	0.33		
2.50	48.04	1499.6	1490.6	1480.7	0.10	0.08	0.29	-23.1	-33.8	-52.4	0.10		
2.75	46.85	1511.8	1502.6	1492.6	0.18	0.12	0.29	-22.8	-33.6	-53.4	0.09		
3.00	45.75	1523.6	1514.3	1504.2	0.26	0.18	0.27	-23.2	-32.7	-53.0	0.24		
3.25	44.47	1535.1	1525.7	1515.5	0.34	0.27	0.37	-24.0	-33.5	-57.2	0.35		
3.50	43.08	1546.3	1536.8	1526.4	0.35	0.33	0.47	-23.9	-33.6	-57.1	0.42		
3.75	41.90	1557.3	1547.6	1537.1	0.34	0.30	0.48	-23.7	-33.1	-56.8	0.43		
3.90	41.19	1563.6	1553.9	1543.3	0.36	0.29	0.43	-23.5	-33.0	-56.6	0.41		
4.25	39.31	1578.1	1568.3	1557.5	0.41	0.32	0.40	-23.7	-33.3	-55.9	0.29		
4.50	37.56	1588.1	1578.1	1567.2	0.48	0.39	0.45	-24.1	-33.3	-55.7	0.13		
4.75	35.95	1597.5	1587.5	1576.5	0.53	0.42	0.48	-24.2	-33.1	-55.8	0.07		
5.00	34.21	1606.5	1596.5	1585.4	0.56	0.44	0.49	-24.1	-33.8	-55.4	0.31		
5.25	32.37	1615.0	1605.0	1593.8	0.58	0.47	0.52	-23.9	-34.1	-55.2	0.55		
5.50	30.04	1623.2	1613.1	1601.8	0.57	0.48	0.55	-24.0	-33.9	-55.7	0.79		
5.75	28.05	1630.8	1620.6	1609.2	0.57	0.48	0.56	-24.0	-33.9	-55.3	1.01		
6.00	28.05	1637.9	1627.6	1616.1	0.60	0.50	0.58	-24.2	-35.1	-56.1	1.18		