

Voltage Controlled Oscillator

ZX95-1740+

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	35.33	1204.9	1195.7	1187.4	9.09	8.43	7.76	-12.3	-24.0	-36.5	0.38	1	-78
0.5	33.67	1222.2	1213.4	1205.6	8.95	8.36	7.74	-12.7	-24.3	-36.4	0.40	10	-105
2.0	31.55	1271.5	1263.1	1255.9	8.62	8.13	7.64	-14.1	-23.7	-37.0	0.41	100	-126
3.0	32.24	1303.2	1294.6	1287.4	8.35	8.01	7.61	-14.0	-23.1	-37.4	0.38	1000	-147
4.0	32.85	1335.7	1326.9	1319.5	8.12	7.90	7.57	-15.1	-23.3	-37.0	0.34		
5.0	32.78	1368.6	1359.7	1352.3	7.93	7.77	7.48	-17.9	-22.9	-36.4	0.31		
6.0	33.25	1401.6	1392.5	1384.9	7.80	7.74	7.51	-19.5	-23.0	-36.4	0.26		
7.0	33.36	1435.0	1425.8	1418.0	7.63	7.62	7.45	-19.4	-22.3	-36.7	0.23		
8.0	33.06	1468.5	1459.1	1451.2	7.58	7.59	7.44	-19.6	-22.1	-34.4	0.19		
9.0	32.97	1501.8	1492.2	1484.2	7.61	7.70	7.57	-18.4	-21.9	-32.7	0.13		
10.0	31.99	1534.9	1525.2	1517.0	7.69	7.78	7.65	-18.0	-22.8	-31.8	0.07		
11.0	31.33	1567.0	1557.1	1549.0	7.80	7.88	7.72	-18.8	-23.5	-31.7	0.03		
12.0	30.00	1598.4	1588.5	1580.3	7.79	7.85	7.70	-18.8	-24.9	-31.9	0.15		
13.0	28.68	1628.4	1618.5	1610.3	7.82	7.87	7.69	-21.7	-24.6	-32.3	0.27		
14.0	27.19	1657.2	1647.1	1638.9	7.86	7.90	7.72	-22.7	-23.9	-33.0	0.37		
15.0	25.48	1684.5	1674.3	1665.9	7.88	7.91	7.75	-22.8	-23.4	-33.9	0.44		
16.0	23.76	1710.1	1699.8	1691.4	7.94	7.92	7.76	-22.9	-23.9	-34.4	0.48		
17.0	22.53	1734.2	1723.6	1715.0	7.99	8.01	7.83	-22.5	-24.2	-35.2	0.49		
18.0	21.11	1756.9	1746.1	1737.2	7.99	8.03	7.89	-22.5	-24.1	-37.3	0.48		
19.0	19.66	1778.1	1767.2	1758.3	8.03	8.04	7.88	-21.7	-23.6	-37.6	0.45		
20.0	18.53	1798.0	1786.9	1777.8	8.11	8.08	7.92	-21.4	-23.0	-37.9	0.43		
21.0	17.38	1816.8	1805.4	1796.2	8.17	8.14	7.99	-24.7	-23.0	-37.6	0.43		
22.0	17.38	1834.5	1822.8	1813.4	8.22	8.20	8.04	-24.5	-23.3	-37.6	0.44		

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