

Voltage Controlled Oscillator

ZX95-6520C+

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	60.21	6292.4	6278.1	6264.9	0.68	-0.68	-3.15	-19.9	-17.9	-33.0	1.88	1	-74
0.25	57.49	6307.1	6293.2	6280.8	1.18	-0.14	-3.20	-20.4	-18.6	-33.6	1.91	10	-103
0.50	57.27	6321.5	6307.5	6295.7	1.46	0.24	-2.44	-20.7	-19.9	-35.2	1.98	100	-124
0.75	58.50	6335.9	6321.9	6309.8	1.46	0.39	-1.81	-20.8	-20.7	-34.3	2.05	1000	-143
1.00	59.54	6350.4	6336.5	6323.9	1.13	0.18	-1.45	-20.8	-20.2	-33.0	2.14		
1.25	58.95	6365.2	6351.4	6338.4	1.15	0.46	-1.37	-20.8	-19.7	-33.9	2.13		
1.50	59.63	6379.8	6366.1	6353.1	1.83	0.89	-1.46	-21.2	-22.7	-35.6	2.12		
1.75	61.63	6394.7	6381.0	6368.3	2.10	1.14	-1.69	-21.4	-23.8	-34.6	2.13		
2.00	65.43	6410.6	6396.4	6383.7	1.97	1.26	-1.20	-21.4	-23.8	-34.5	2.19		
2.25	70.47	6427.6	6412.8	6399.5	2.22	1.18	-0.84	-21.4	-22.7	-34.5	2.30		
2.50	73.53	6445.2	6430.4	6416.3	2.53	1.11	-0.96	-21.3	-21.6	-34.0	2.39		
2.75	77.01	6463.6	6448.8	6434.3	2.31	1.43	-0.71	-21.6	-20.1	-32.5	2.42		
3.00	80.17	6483.5	6468.0	6453.1	1.58	1.39	-0.43	-21.6	-22.0	-34.5	2.48		
3.25	85.38	6503.7	6488.1	6472.9	2.43	1.50	-0.69	-21.5	-20.9	-32.5	2.46		
3.50	92.38	6525.9	6509.4	6494.0	2.29	1.27	-1.24	-21.3	-20.3	-33.7	2.51		
3.75	95.41	6549.4	6532.5	6515.8	1.94	0.97	-0.63	-20.9	-21.9	-33.0	2.31		
4.00	93.17	6573.4	6556.4	6539.1	1.30	0.63	-0.72	-20.6	-21.7	-32.7	1.78		
4.25	94.30	6596.8	6579.7	6562.8	1.85	1.13	-1.17	-21.2	-22.1	-33.0	0.95		
4.50	93.84	6621.2	6603.2	6586.2	1.27	0.57	-1.40	-20.8	-23.5	-31.6	0.04		
4.75	88.50	6644.8	6626.7	6608.9	0.74	0.04	-1.30	-20.5	-22.1	-32.0	1.16		
5.00	80.20	6666.1	6648.8	6631.2	1.30	-0.19	-1.79	-20.1	-21.4	-32.5	2.16		
5.25	75.37	6686.7	6668.9	6652.0	0.49	0.19	-2.15	-20.4	-25.0	-33.6	2.87		
5.50	69.74	6705.7	6687.7	6670.7	-0.34	-0.24	-1.83	-19.8	-23.3	-33.1	3.35		
5.75	61.17	6722.3	6705.2	6688.0	0.15	-0.93	-2.27	-19.0	-21.3	-32.1	3.37		
6.00	53.29	6737.3	6720.4	6703.6	0.34	-1.24	-3.04	-18.5	-22.7	-32.9	3.03		
6.25	46.47	6750.3	6733.8	6717.2	0.27	-1.13	-3.46	-18.6	-24.3	-32.8	2.45		
6.50	40.16	6761.6	6745.4	6728.9	-0.09	-1.06	-3.25	-18.8	-22.1	-31.5	1.67		
6.75	34.70	6771.4	6755.4	6739.1	-0.73	-1.07	-3.01	-53.6	-52.2	-31.8	0.80		
7.00	34.70	6779.8	6764.1	6747.9	-1.46	-1.23	-2.95	-54.0	-50.9	-38.7	0.06		