

Voltage Controlled Oscillator

ZX95-675-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	14.68	480.8	479.7	479.1	7.41	6.91	5.68	-14.1	-34.1	-29.4	0.58	1	-88
0.5	13.48	488.2	487.1	486.7	7.51	7.05	5.91	-14.7	-34.1	-29.0	0.41	10	-113
2.0	11.94	507.8	506.7	506.3	7.50	7.04	6.26	-17.5	-34.2	-34.8	0.11	100	-136
3.0	12.22	520.0	518.6	517.9	7.31	6.97	6.33	-17.5	-33.0	-39.1	0.09	1000	-157
4.0	12.91	532.4	530.8	529.9	7.17	6.92	6.37	-19.9	-32.1	-37.2	0.09		
5.0	13.66	545.4	543.8	542.6	7.03	6.84	6.39	-21.1	-31.2	-35.5	0.16		
6.0	14.19	559.0	557.4	556.2	6.88	6.75	6.39	-21.7	-30.6	-34.6	0.32		
7.0	14.47	573.0	571.6	570.4	6.72	6.67	6.38	-22.3	-29.9	-34.1	0.58		
8.0	14.48	587.3	586.1	584.8	6.56	6.56	6.31	-22.9	-29.3	-33.4	0.86		
9.0	14.33	601.6	600.5	599.4	6.39	6.40	6.19	-22.8	-28.9	-33.8	1.13		
10.0	14.00	615.8	614.9	613.8	6.22	6.19	6.01	-22.7	-28.3	-33.9	1.39		
11.0	13.52	629.6	628.9	627.9	6.05	5.97	5.79	-22.4	-27.7	-34.7	1.64		
12.0	12.97	643.1	642.4	641.6	5.92	5.76	5.56	-22.7	-27.2	-35.7	1.88		
13.0	12.32	656.0	655.4	654.7	5.83	5.57	5.34	-22.3	-26.7	-37.5	2.10		
14.0	11.58	668.2	667.7	667.0	5.73	5.39	5.14	-22.1	-26.4	-40.8	2.27		
15.0	10.79	679.9	679.3	678.6	5.61	5.22	4.95	-21.8	-25.5	-44.8	2.40		
16.0	10.00	690.9	690.1	689.3	5.48	5.07	4.77	-21.3	-25.4	-46.0	2.49		
17.0	9.24	701.1	700.1	699.2	5.38	4.94	4.60	-21.3	-24.6	-43.9	2.52		
18.0	8.50	710.5	709.3	708.4	5.30	4.81	4.43	-21.1	-24.2	-42.0	2.49		
19.0	7.77	719.1	717.8	716.8	5.22	4.68	4.25	-20.5	-24.1	-40.7	2.40		
20.0	7.08	727.0	725.6	724.5	5.15	4.55	4.08	-20.6	-23.8	-39.5	2.28		
21.0	6.42	734.2	732.7	731.5	5.10	4.44	3.92	-20.5	-23.7	-38.0	2.14		
22.0	5.81	740.8	739.1	737.9	5.04	4.32	3.77	-20.4	-23.4	-36.7	2.01		
23.0	5.22	746.7	744.9	743.6	4.98	4.22	3.63	-20.3	-23.4	-36.1	1.89		
24.0	4.68	752.0	750.1	748.7	4.92	4.12	3.50	-20.0	-23.2	-35.6	1.79		
25.0	4.17	756.8	754.8	753.3	4.86	4.03	3.40	-19.8	-23.2	-34.8	1.69		
26.0	3.69	761.0	759.0	757.4	4.81	3.95	3.30	-19.8	-23.3	-34.0	1.60		
27.0	3.25	764.8	762.6	761.1	4.75	3.87	3.21	-19.7	-23.3	-33.6	1.51		
28.0	2.84	768.1	765.9	764.2	4.70	3.80	3.13	-19.6	-23.4	-33.3	1.40		
29.0	2.46	771.1	768.7	767.0	4.66	3.73	3.05	-19.5	-23.5	-33.2	1.28		
30.0	2.46	773.6	771.2	769.4	4.61	3.67	2.98	-19.3	-23.5	-33.0	1.15		

Notes

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