

Voltage Controlled Oscillator

JTOS-EDR6125

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			
0.5	46.01	429.1	428.3	427.4	5.91	4.24	2.43	-17.5	-29.0	-32.8	1.20	1	-81
1.0	41.27	449.7	448.9	447.9	7.19	5.65	4.06	-18.5	-30.2	-30.5	1.04	10	-101
1.5	39.37	469.1	468.6	466.7	8.02	6.50	5.20	-19.5	-31.6	-27.2	0.91	100	-121
2.0	36.89	489.5	487.0	483.6	8.14	7.20	6.25	-20.2	-36.6	-23.3	0.83	1000	-142
2.5	31.08	507.0	502.6	498.5	8.88	8.24	7.28	-20.3	-38.8	-24.5	0.75		
3.0	30.22	522.1	517.7	513.7	9.74	8.98	7.90	-20.3	-34.3	-28.7	0.77		
3.5	31.49	538.3	533.4	530.0	10.23	9.46	8.20	-20.5	-32.9	-33.2	0.66		
4.0	31.39	554.3	549.1	546.9	10.69	9.90	8.39	-20.9	-31.7	-36.6	0.60		
4.5	32.43	570.3	565.3	563.5	11.05	10.09	8.58	-21.2	-30.8	-39.4	0.63		
5.0	33.57	585.6	582.1	579.8	11.41	10.18	8.78	-21.7	-29.7	-39.5	0.63		
5.5	34.47	602.2	599.4	596.4	11.50	10.30	9.02	-22.3	-28.3	-40.9	0.55		
6.0	34.76	620.1	616.7	613.4	11.37	10.28	9.11	-22.8	-26.6	-41.3	0.52		
6.5	34.41	637.8	633.9	630.4	11.15	10.21	9.14	-23.6	-25.0	-42.3	0.37		
7.0	34.41	655.0	651.1	647.9	10.78	10.04	9.11	-24.3	-23.7	-43.7	0.37		
7.5	36.38	673.7	669.3	665.9	10.55	10.07	9.31	-23.5	-24.0	-47.1	0.58		
8.0	35.44	691.8	687.1	683.0	10.84	10.40	9.67	-22.2	-25.7	-50.6	0.77		
8.5	33.07	708.4	703.6	699.5	11.19	10.70	9.89	-21.6	-28.2	-52.8	1.03		
9.0	31.98	724.3	719.6	715.6	11.56	11.00	10.17	-21.4	-31.2	-56.8	1.32		
9.5	31.47	739.6	735.3	731.6	11.76	11.13	10.33	-21.3	-34.1	-59.9	1.72		
10.0	32.46	756.0	751.5	747.8	11.70	11.12	10.34	-21.1	-37.1	-63.9	2.17		
10.5	31.09	770.9	767.1	763.3	11.84	11.20	10.40	-20.6	-37.6	-64.2	2.27		
11.0	27.65	784.3	780.9	777.3	12.08	11.39	10.57	-20.5	-40.0	-64.5	2.61		
11.5	26.67	797.6	794.2	790.7	12.26	11.57	10.74	-20.5	-41.5	-64.9	3.01		
12.0	25.98	810.6	807.2	803.8	12.34	11.66	10.83	-20.7	-42.8	-65.1	3.37		
12.5	25.14	823.2	819.8	816.8	12.37	11.68	10.79	-20.9	-42.6	-64.2	3.67		
13.0	23.96	835.3	831.8	830.0	12.44	11.74	10.72	-21.4	-43.1	-63.8	3.82		
13.5	22.94	846.8	843.2	843.8	12.54	11.80	10.67	-22.3	-43.1	-64.6	4.16		
14.0	25.04	857.5	855.8	857.5	12.45	11.54	10.50	-23.5	-44.9	-66.5	5.29		
14.5	28.39	870.2	870.0	870.8	12.07	11.22	10.36	-24.6	-48.2	-74.1	5.74		
15.0	27.25	885.6	883.6	883.5	11.62	11.10	10.31	-25.2	-49.7	-73.8	5.88		
15.5	25.06	899.0	896.1	895.6	11.52	11.06	10.28	-25.2	-51.1	-75.3	5.79		
16.0	23.04	910.5	907.6	907.0	11.53	11.05	10.27	-25.1	-51.9	-73.2	6.00		
16.5	20.27	919.8	917.8	917.4	11.69	11.10	10.27	-24.6	-51.9	-69.8	6.12		
17.0	17.74	927.6	926.6	927.0	11.91	11.23	10.31	-23.8	-51.4	-65.0	6.26		