

Voltage Controlled Oscillator

POS-ED10514/1

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			
0.2	7.68	69.5	68.1	67.3	6.64	6.88	6.30	-21.2	-37.1	-51.1	0.04	1	-90
0.3	7.34	70.4	69.2	68.5	6.70	6.95	6.46	-22.5	-38.7	-52.5	0.06	10	-111
0.5	6.92	71.3	70.2	69.6	6.76	7.02	6.56	-23.5	-40.2	-53.4	0.06	100	-131
0.6	6.53	72.2	71.2	70.7	6.82	7.09	6.63	-24.2	-41.4	-52.2	0.08	1000	-150
0.8	6.50	73.4	72.2	71.7	6.92	7.15	6.70	-24.9	-42.6	-51.1	0.29		
0.9	7.09	74.5	73.2	72.7	7.06	7.23	6.78	-25.3	-43.7	-52.8	0.62		
1.1	7.27	75.6	74.3	73.8	7.19	7.36	6.89	-25.8	-44.9	-52.3	0.65		
1.2	6.92	76.6	75.3	74.9	7.28	7.49	7.00	-26.2	-46.1	-51.9	0.59		
1.4	6.64	77.5	76.3	75.9	7.36	7.58	7.10	-26.6	-47.2	-52.8	0.54		
1.5	6.34	78.5	77.3	76.8	7.43	7.65	7.19	-26.9	-48.1	-51.9	0.50		
1.7	6.13	79.4	78.2	77.8	7.51	7.71	7.27	-27.2	-49.1	-52.5	0.46		
1.8	5.79	80.2	79.1	78.6	7.62	7.78	7.32	-27.4	-49.3	-52.7	0.44		
2.0	5.73	81.1	79.9	79.5	7.72	7.90	7.40	-27.6	-50.5	-52.3	0.43		
2.1	5.72	81.9	80.8	80.4	7.79	7.99	7.49	-28.0	-51.6	-52.2	0.41		
2.3	5.60	82.8	81.6	81.2	7.85	8.05	7.57	-28.3	-52.2	-52.2	0.40		
2.4	5.47	83.6	82.5	82.0	7.92	8.10	7.64	-28.6	-52.3	-52.5	0.38		
2.6	5.41	84.4	83.3	82.8	8.01	8.16	7.70	-28.7	-51.9	-52.6	0.38		
2.7	5.30	85.2	84.1	83.6	8.08	8.23	7.76	-29.0	-51.4	-51.3	0.37		
2.9	5.34	86.0	84.9	84.4	8.13	8.31	7.82	-29.2	-50.6	-51.0	0.37		
3.0	5.39	86.8	85.7	85.2	8.19	8.37	7.89	-29.2	-50.3	-49.0	0.36		
3.2	5.31	87.6	86.5	86.0	8.26	8.41	7.94	-29.4	-49.4	-47.6	0.35		
3.3	5.32	88.4	87.3	86.8	8.33	8.46	7.99	-29.6	-49.0	-50.2	0.35		
3.5	5.30	89.2	88.1	87.6	8.38	8.51	8.03	-29.6	-48.5	-51.8	0.35		
3.6	5.35	90.0	88.9	88.4	8.41	8.57	8.08	-29.8	-47.5	-52.6	0.35		
3.8	5.40	90.8	89.7	89.2	8.48	8.60	8.12	-29.9	-46.3	-51.8	0.35		
3.9	5.38	91.6	90.5	90.0	8.55	8.65	8.16	-29.9	-46.1	-51.4	0.35		
4.1	5.43	92.4	91.3	90.8	8.62	8.70	8.20	-30.0	-45.1	-51.5	0.34		
4.2	5.49	93.3	92.1	91.6	8.68	8.75	8.24	-30.0	-44.2	-51.2	0.33		
4.4	5.45	94.1	92.9	92.4	8.70	8.81	8.28	-30.1	-43.6	-50.6	0.34		
4.5	5.60	95.0	93.8	93.2	8.75	8.83	8.33	-30.1	-42.9	-50.4	0.35		
4.7	5.69	95.8	94.6	94.1	8.82	8.85	8.36	-30.0	-42.3	-50.1	0.36		
4.8	5.71	96.7	95.5	94.9	8.88	8.89	8.38	-30.1	-41.2	-50.0	0.36		
5.0	5.77	97.6	96.4	95.8	8.93	8.93	8.41	-30.1	-40.8	-49.4	0.35		
5.1	5.85	98.4	97.2	96.6	8.96	8.96	8.44	-30.2	-40.1	-49.1	0.35		
5.3	5.84	99.3	98.1	97.5	9.00	9.00	8.46	-30.1	-39.4	-48.8	0.36		
5.4	6.01	100.2	99.0	98.4	9.04	9.01	8.48	-30.2	-39.0	-48.5	0.37		
5.6	6.05	101.2	99.9	99.3	9.09	9.03	8.49	-30.2	-38.2	-48.8	0.39		
5.7	6.14	102.1	100.8	100.2	9.12	9.05	8.51	-30.2	-37.4	-48.1	0.41		
5.9	6.26	103.1	101.8	101.1	9.16	9.06	8.51	-30.3	-36.9	-47.7	0.43		
6.0	6.32	104.0	102.7	102.0	9.18	9.08	8.51	-30.4	-36.3	-47.5	0.43		