

Voltage Controlled Oscillator

POS-ED9844A/4

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	22.77	334.8	331.1	328.5	6.21	5.41	4.40	-21.5	-32.5	-28.9	0.14	1	-70
0.3	21.67	338.0	334.3	331.9	6.77	6.33	5.55	-21.5	-32.2	-30.1	0.13	10	-105
0.5	20.83	341.0	337.4	335.0	7.24	7.10	6.49	-21.6	-32.2	-31.3	0.11	100	-125
0.6	20.51	344.1	340.5	338.1	7.39	7.67	7.23	-21.8	-31.9	-32.5	0.10	1000	-142
0.8	20.36	347.1	343.6	341.1	7.52	8.00	7.87	-22.1	-32.0	-33.7	0.08		
0.9	20.42	350.2	346.6	344.2	7.58	8.19	8.20	-22.8	-32.4	-34.9	0.06		
1.1	20.55	353.3	349.7	347.3	7.58	8.27	8.39	-23.4	-32.8	-36.0	0.04		
1.2	20.77	356.4	352.8	350.3	7.63	8.29	8.47	-23.9	-33.1	-37.0	0.01		
1.4	21.14	359.6	356.0	353.4	7.61	8.35	8.49	-24.2	-33.4	-38.2	0.02		
1.5	21.35	362.9	359.2	356.6	7.57	8.33	8.55	-24.5	-33.4	-39.0	0.05		
1.7	21.56	366.1	362.4	359.8	7.57	8.36	8.53	-24.7	-33.4	-39.2	0.08		
1.8	21.77	369.4	365.7	363.0	7.51	8.31	8.49	-24.8	-33.4	-39.4	0.10		
2.0	21.78	372.7	369.0	366.3	7.43	8.25	8.49	-24.9	-33.5	-39.3	0.11		
2.1	21.87	375.9	372.3	369.5	7.38	8.24	8.44	-24.7	-33.5	-38.9	0.11		
2.3	21.69	379.2	375.5	372.8	7.27	8.17	8.37	-24.7	-33.9	-38.0	0.10		
2.4	21.84	382.5	378.8	376.0	7.20	8.08	8.37	-24.6	-33.8	-37.8	0.07		
2.6	21.76	385.8	382.1	379.3	7.12	8.05	8.28	-24.5	-34.3	-37.7	0.02		
2.7	22.03	389.2	385.4	382.6	7.08	7.99	8.23	-24.4	-34.8	-37.7	0.08		
2.9	22.70	392.9	388.8	385.9	7.11	7.96	8.23	-24.4	-35.3	-38.1	0.21		
3.0	23.46	396.6	392.3	389.4	7.14	7.98	8.23	-24.6	-36.1	-38.1	0.36		
3.2	24.10	400.4	395.9	393.0	7.16	8.01	8.26	-24.6	-36.4	-38.5	0.48		
3.3	24.57	404.2	399.6	396.6	7.22	8.02	8.29	-24.9	-37.2	-38.9	0.57		
3.5	24.33	407.9	403.2	400.2	7.30	8.07	8.30	-24.9	-37.0	-38.6	0.61		
3.6	24.03	411.5	406.8	403.8	7.33	8.10	8.35	-25.1	-37.3	-39.1	0.64		
3.8	23.46	415.1	410.4	407.3	7.37	8.16	8.37	-25.5	-37.3	-39.9	0.65		
3.9	22.77	418.5	413.8	410.7	7.50	8.18	8.42	-25.9	-38.0	-40.7	0.65		
4.1	21.91	421.7	417.1	413.9	7.46	8.16	8.44	-26.0	-38.0	-40.9	0.65		
4.2	21.01	424.9	420.2	417.1	7.38	8.27	8.41	-26.5	-38.4	-41.6	0.64		
4.4	20.15	427.9	423.2	420.1	7.37	8.19	8.51	-26.7	-38.7	-42.3	0.62		
4.5	19.09	430.7	426.1	423.0	7.28	8.12	8.42	-27.0	-39.2	-42.6	0.59		
4.7	18.09	433.3	428.8	425.7	7.25	8.10	8.36	-27.3	-39.0	-43.0	0.56		
4.8	16.99	435.8	431.4	428.3	7.16	8.01	8.34	-27.3	-39.6	-43.0	0.53		
5.0	16.11	438.2	433.8	430.7	7.12	7.99	8.26	-27.4	-40.2	-43.3	0.50		
5.1	14.97	440.3	436.0	433.0	7.00	7.89	8.23	-27.4	-40.1	-44.0	0.45		
5.3	13.99	442.3	438.1	435.1	6.89	7.87	8.15	-27.2	-40.3	-43.7	0.40		
5.4	13.12	444.2	440.1	437.1	6.85	7.77	8.06	-27.1	-41.5	-44.6	0.36		
5.6	12.09	445.9	441.9	439.0	6.74	7.68	8.04	-26.9	-42.0	-43.7	0.30		
5.7	11.28	447.5	443.6	440.7	6.70	7.65	7.96	-26.6	-42.1	-44.6	0.25		
5.9	10.45	449.0	445.2	442.3	6.60	7.55	7.87	-26.5	-43.0	-44.3	0.19		
6.0	9.56	450.3	446.6	443.7	6.50	7.48	7.86	-26.1	-44.2	-44.5	0.14		