

Voltage Controlled Oscillator

POS-ED9844/1

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	21.98	331.1	325.0	320.5	7.63	7.18	5.71	-19.1	-36.0	-25.3	0.45	1	-70
0.4	19.92	335.2	329.0	324.6	8.23	7.95	6.50	-19.6	-38.7	-27.1	0.09	10	-98
0.6	18.47	339.0	332.7	328.5	8.69	8.55	6.85	-20.4	-41.5	-29.2	0.13	100	-120
0.8	17.87	342.8	336.2	333.1	9.04	8.88	7.11	-21.9	-44.6	-31.3	0.19	1000	-138
1.0	18.01	346.5	339.8	338.0	9.30	8.98	7.35	-23.6	-44.7	-33.0	0.02		
1.2	19.42	350.3	343.7	342.9	9.48	8.84	7.51	-25.6	-41.5	-34.9	0.76		
1.4	24.51	354.1	348.6	347.7	9.56	8.78	7.60	-26.3	-40.7	-41.4	2.13		
1.6	26.84	358.0	354.0	352.4	9.59	8.77	7.66	-26.9	-42.8	-42.6	2.07		
1.8	26.55	361.9	359.3	356.9	9.56	8.71	7.72	-27.8	-45.7	-38.3	1.83		
2.0	26.20	365.9	364.5	361.3	9.51	8.67	7.79	-28.7	-48.3	-36.4	1.66		
2.2	25.74	370.1	369.7	365.6	9.41	8.66	7.86	-29.4	-49.6	-36.3	1.51		
2.4	24.88	374.7	374.7	369.8	9.25	8.66	7.92	-30.1	-49.4	-36.8	1.33		
2.6	23.75	379.9	379.4	374.0	9.21	8.69	7.95	-30.8	-49.3	-37.9	1.18		
2.8	22.40	385.1	383.9	378.0	9.20	8.72	7.99	-31.5	-49.5	-39.0	1.10		
3.0	21.20	390.1	388.1	381.9	9.21	8.74	8.02	-32.3	-49.4	-40.4	1.13		
3.2	20.07	395.0	392.1	385.7	9.20	8.76	8.04	-33.3	-50.0	-41.3	1.26		
3.4	19.27	399.8	396.0	389.5	9.28	8.77	8.06	-34.5	-50.6	-42.4	1.44		
3.6	18.33	404.4	399.7	393.1	9.31	8.76	8.07	-36.0	-50.3	-42.9	1.67		
3.8	17.55	408.6	403.2	396.5	9.34	8.76	8.09	-37.4	-50.4	-43.6	1.88		
4.0	16.77	412.7	406.5	399.9	9.36	8.76	8.09	-39.7	-49.9	-44.0	2.12		
4.2	16.20	416.5	409.8	403.2	9.36	8.75	8.09	-42.4	-49.4	-44.3	2.33		
4.4	15.48	420.2	412.9	406.3	9.35	8.73	8.10	-46.5	-49.6	-45.0	2.53		
4.6	14.75	423.6	415.8	409.4	9.32	8.72	8.09	-50.1	-50.0	-45.6	2.70		
4.8	14.11	426.8	418.6	412.3	9.27	8.70	8.07	-53.0	-50.6	-45.9	2.84		
5.0	13.37	429.9	421.3	415.3	9.22	8.69	8.04	-50.1	-51.5	-45.7	2.95		
5.2	12.68	432.7	423.8	418.4	9.17	8.67	8.04	-47.1	-52.0	-46.2	3.00		
5.4	11.82	435.4	426.2	421.5	9.11	8.67	8.07	-45.0	-52.8	-46.1	3.03		
5.6	11.14	437.8	428.4	424.4	9.06	8.67	8.12	-42.9	-54.0	-45.8	3.02		
5.8	10.38	440.1	430.5	427.2	8.99	8.67	8.15	-41.7	-54.2	-45.4	3.01		
6.0	9.64	442.2	432.4	429.8	8.93	8.66	8.19	-40.4	-54.6	-44.9	2.99		
6.2	9.03	444.1	434.2	432.1	8.87	8.66	8.22	-39.4	-55.3	-44.5	2.96		
6.4	8.37	445.9	435.9	434.2	8.80	8.65	8.25	-38.2	-56.9	-43.5	2.96		
6.6	7.80	447.5	437.5	436.1	8.73	8.65	8.26	-37.4	-56.7	-43.4	2.97		
6.8	7.23	449.0	438.9	437.7	8.66	8.65	8.28	-36.5	-59.7	-43.0	3.06		
7.0	6.84	450.3	440.3	439.3	8.59	8.65	8.30	-35.8	-60.7	-42.5	3.19		
7.2	6.51	451.5	441.6	440.6	8.53	8.66	8.30	-35.0	-61.1	-42.5	3.31		
7.4	6.10	452.5	442.8	441.8	8.47	8.68	8.32	-34.3	-61.8	-42.5	3.34		
7.6	5.67	453.5	443.9	442.9	8.42	8.70	8.32	-33.8	-61.5	-42.7	3.28		
7.8	5.21	454.3	445.0	443.9	8.37	8.73	8.34	-33.2	-61.4	-43.0	3.15		
8.0	4.75	455.1	445.9	444.8	8.34	8.75	8.34	-32.7	-61.0	-43.1	3.02		