

Voltage Controlled Oscillator

POS-ED6682

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			
0.3	29.90	245.4	241.6	238.6	7.40	6.44	5.14	-22.2	-30.8	-29.2	0.39	1	-81
0.5	28.90	252.3	248.9	246.1	8.07	6.99	5.92	-23.3	-30.7	-29.2		10	-102
0.8	26.40	258.8	255.5	252.8	8.70	7.88	6.54	-25.3	-30.8	-29.2		100	-122
1.0	24.40	264.8	261.6	258.8	8.83	8.22	7.39	-27.0	-31.3	-29.3		1000	-140
1.3	22.60	270.6	267.2	264.3	8.79	8.40	7.80	-28.4	-32.0	-29.9			
1.5	21.10	275.9	272.5	269.5	8.49	8.73	7.96	-29.7	-32.9	-30.7	0.25		
1.8	20.00	281.1	277.5	274.3	8.71	8.52	8.21	-31.0	-33.1	-31.5			
2.0	19.10	286.1	282.2	279.0	9.46	8.70	7.91	-32.3	-33.6	-31.6			
2.3	18.30	290.8	286.8	283.6	9.58	9.37	8.04	-33.4	-33.6	-31.6			
2.5	18.00	295.5	291.3	288.4	9.75	9.44	8.75	-34.8	-33.8	-31.2			
2.8	18.10	300.0	295.8	293.2	9.81	9.62	8.97	-36.6	-34.2	-31.4	0.25		
3.0	18.40	304.6	300.4	297.9	9.89	9.77	9.31	-37.7	-34.6	-32.1			
3.3	18.70	309.1	305.1	302.6	10.10	10.05	9.53	-39.0	-34.7	-32.7			
3.5	18.70	313.6	309.8	307.2	10.17	10.19	9.85	-40.0	-34.9	-34.0			
3.8	18.80	318.1	314.4	311.8	10.30	10.30	10.00	-41.1	-34.6	-35.1			
4.0	18.70	322.6	319.1	316.3	10.32	10.45	10.19	-42.5	-34.7	-36.5	0.13		
4.3	18.70	327.2	323.8	320.9	10.57	10.48	10.26	-43.4	-34.4	-37.4			
4.5	18.70	331.8	328.5	325.4	10.55	10.75	10.53	-43.9	-34.4	-38.6			
4.8	18.90	336.5	333.2	329.9	10.61	10.76	10.53	-44.1	-34.1	-39.4			
5.0	19.20	341.6	338.0	334.5	10.60	10.86	10.50	-42.9	-33.9	-40.6			
5.3	19.40	346.8	342.9	339.2	10.33	10.86	10.54	-42.4	-33.6	-42.1	0.12		
5.5	19.70	352.1	347.8	344.0	10.36	10.59	10.47	-41.4	-33.4	-43.9			
5.8	19.80	357.4	352.8	348.8	10.75	10.57	10.15	-40.4	-32.9	-44.6			
6.0	20.10	362.6	357.8	353.8	10.79	10.91	10.09	-39.6	-33.1	-46.7			
6.3	20.50	367.8	362.9	358.9	10.79	10.88	10.41	-38.5	-32.9	-44.4			
6.5	20.80	373.0	368.1	364.1	10.80	10.83	10.38	-38.0	-32.7	-42.3	0.15		
6.8	21.20	378.4	373.4	369.3	10.73	10.80	10.33	-37.8	-32.8	-41.0			
7.0	21.30	383.8	378.7	374.4	10.68	10.72	10.30	-37.4	-32.6	-38.6			