

Voltage Controlled Oscillator

ROS-ED9695/1

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	30.99	354.8	352.8	351.7	6.11	5.89	5.34	-22.7	-41.2	-35.2	0.93	1	-85
0.3	30.62	359.5	357.4	356.1	6.17	5.97	5.50	-23.2	-40.4	-34.8	0.92	10	-110
0.5	28.84	364.0	361.7	360.3	6.17	6.03	5.60	-23.6	-39.8	-34.4	0.80	100	-130
0.6	26.93	368.2	365.7	364.2	6.15	6.04	5.63	-24.1	-39.7	-33.8	0.70	1000	-150
0.8	25.93	372.2	369.6	368.0	6.17	6.03	5.64	-24.5	-39.2	-33.5	0.62		
0.9	24.94	376.1	373.3	371.6	6.15	6.02	5.68	-24.8	-39.1	-33.1	0.57		
1.1	24.23	379.8	377.0	375.2	6.11	6.06	5.66	-25.3	-38.2	-32.8	0.52		
1.2	23.65	383.5	380.5	378.7	6.09	6.04	5.64	-25.6	-38.1	-32.4	0.48		
1.4	23.07	387.1	384.0	382.0	6.14	6.03	5.67	-26.0	-37.4	-32.2	0.46		
1.5	22.76	390.6	387.4	385.4	6.12	6.08	5.65	-26.2	-37.2	-31.9	0.43		
1.7	22.50	394.2	390.8	388.7	6.12	6.07	5.61	-26.4	-37.0	-31.6	0.42		
1.8	22.10	397.6	394.1	392.0	6.09	6.07	5.65	-26.8	-36.6	-31.2	0.41		
2.0	21.99	401.0	397.4	395.3	6.16	6.14	5.63	-27.1	-36.4	-31.1	0.41		
2.1	21.77	404.4	400.7	398.5	6.18	6.11	5.57	-27.2	-35.8	-30.6	0.41		
2.3	21.57	407.8	403.9	401.7	6.19	6.12	5.60	-27.4	-35.6	-30.4	0.40		
2.4	21.47	411.1	407.1	405.0	6.25	6.17	5.57	-27.7	-35.6	-30.2	0.43		
2.6	21.29	414.4	410.3	408.2	6.25	6.17	5.53	-27.8	-35.4	-30.0	0.45		
2.7	21.27	417.7	413.5	411.4	6.25	6.15	5.54	-28.0	-35.7	-29.9	0.47		
2.9	21.17	420.9	416.7	414.6	6.29	6.17	5.48	-28.3	-35.8	-29.6	0.49		
3.0	21.09	424.1	419.8	417.8	6.27	6.12	5.43	-28.3	-35.4	-29.5	0.51		
3.2	21.14	427.3	423.0	421.0	6.28	6.06	5.39	-28.7	-35.3	-29.3	0.52		
3.3	21.19	430.5	426.2	424.2	6.25	6.02	5.32	-28.8	-35.9	-29.3	0.53		
3.5	21.14	433.6	429.4	427.4	6.23	5.93	5.27	-29.0	-35.8	-29.3	0.54		
3.6	21.11	436.7	432.5	430.5	6.21	5.83	5.18	-29.3	-35.6	-29.2	0.54		
3.8	21.12	439.7	435.7	433.7	6.20	5.74	5.09	-29.4	-35.8	-29.3	0.57		
3.9	20.94	442.7	438.8	436.8	6.17	5.66	5.01	-29.9	-36.0	-29.3	0.56		
4.1	20.75	445.7	441.9	439.9	6.14	5.55	4.93	-30.1	-36.3	-29.3	0.57		
4.2	20.67	448.6	445.0	443.0	6.12	5.45	4.84	-30.4	-36.0	-29.3	0.58		
4.4	20.41	451.5	448.1	446.0	6.07	5.36	4.75	-30.6	-35.8	-29.3	0.58		
4.5	20.21	454.3	451.1	449.0	6.03	5.26	4.69	-30.5	-35.6	-29.4	0.60		
4.7	19.96	457.2	454.1	451.9	5.96	5.18	4.60	-31.0	-35.3	-29.4	0.62		
4.8	19.58	460.1	457.1	454.8	5.90	5.08	4.54	-31.3	-34.8	-29.4	0.61		