

Voltage Controlled Oscillator

ROS-750+

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			
0.0	34.96	642.6	637.8	637.1	3.45	3.13	2.17	-28.4	-31.8	-31.8	1.86	1	-82
0.3	31.19	651.5	646.5	645.9	3.51	3.22	2.25	-28.8	-31.4	-31.5	1.95	10	-108
0.5	28.91	659.7	654.3	653.5	3.58	3.24	2.29	-29.0	-31.7	-31.0	1.55	100	-129
0.8	27.75	667.2	661.6	660.5	3.67	3.24	2.31	-29.1	-32.1	-30.7	1.30	1000	-149
1.0	27.17	674.3	668.5	667.2	3.77	3.23	2.34	-29.4	-32.5	-30.3	1.13		
1.3	26.92	681.2	675.3	673.7	3.84	3.21	2.37	-29.4	-32.8	-29.9	1.00		
1.5	26.95	687.8	682.0	680.0	3.91	3.17	2.39	-29.7	-33.2	-29.8	0.92		
1.8	27.15	694.4	688.8	686.4	3.99	3.13	2.40	-30.1	-33.3	-29.5	0.85		
2.0	27.55	701.0	695.5	692.8	4.07	3.09	2.41	-30.4	-33.3	-29.5	0.80		
2.3	28.11	707.5	702.4	699.2	4.14	3.07	2.43	-30.7	-33.1	-29.6	0.76		
2.5	28.79	714.0	709.5	705.8	4.21	3.04	2.45	-30.9	-33.1	-29.2	0.74		
2.8	29.57	720.6	716.7	712.5	4.21	3.02	2.47	-31.2	-32.5	-29.7	0.73		
3.0	30.37	727.6	724.1	719.5	4.12	3.00	2.49	-31.8	-32.1	-29.6	0.76		
3.3	31.07	735.4	731.6	726.6	4.01	2.99	2.51	-32.1	-31.5	-29.9	0.83		
3.5	31.62	743.6	739.4	733.9	3.89	2.99	2.54	-32.2	-30.9	-30.3	0.96		
3.8	31.96	751.9	747.3	741.3	3.79	2.98	2.56	-32.7	-30.3	-30.5	1.16		
4.0	32.10	760.3	755.3	748.9	3.71	2.98	2.57	-33.1	-29.8	-31.4	1.42		
4.3	31.99	768.7	763.3	756.5	3.63	2.99	2.60	-33.8	-29.2	-32.2	1.72		
4.5	31.64	777.0	771.3	764.1	3.55	2.98	2.62	-34.7	-28.6	-32.7	2.05		
4.8	31.07	785.3	779.2	771.6	3.47	2.96	2.62	-35.1	-28.2	-33.8	2.40		
5.0	30.30	793.3	787.0	779.0	3.41	2.95	2.62	-35.6	-27.8	-34.4	2.74		
5.3	29.29	801.1	794.6	786.3	3.33	2.93	2.61	-36.2	-27.6	-35.7	3.06		
5.5	28.18	808.7	801.9	793.3	3.25	2.89	2.59	-36.9	-27.0	-36.1	3.34		
5.8	26.96	816.0	809.0	800.0	3.16	2.85	2.57	-37.8	-26.6	-36.7	3.58		
6.0	25.67	823.0	815.7	806.5	3.07	2.80	2.53	-38.5	-26.6	-37.7	3.78		