

Voltage Controlled Oscillator

ROS-730+

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	13.45	684.2	681.6	679.4	-0.54	-0.24	-0.15	-20.0	-29.3	-30.5	0.30	1	-91
0.3	12.35	687.5	685.0	682.8	-0.53	-0.19	-0.09	-20.0	-29.4	-30.4	0.23	10	-114
0.5	11.76	690.5	688.1	686.0	-0.51	-0.15	-0.04	-20.1	-29.4	-30.0	0.18	100	-135
0.8	11.45	693.5	691.0	688.9	-0.49	-0.11	0.01	-20.2	-29.6	-29.9	0.16	1000	-154
1.0	11.32	696.4	693.9	691.7	-0.46	-0.06	0.06	-20.4	-29.6	-29.8	0.14		
1.3	11.30	699.2	696.7	694.6	-0.44	-0.02	0.11	-20.5	-29.9	-29.8	0.13		
1.5	11.37	702.1	699.5	697.4	-0.41	0.02	0.15	-20.6	-30.0	-29.9	0.12		
1.8	11.49	705.0	702.4	700.2	-0.38	0.05	0.20	-20.7	-30.2	-29.9	0.12		
2.0	11.64	707.9	705.2	703.0	-0.35	0.09	0.24	-20.8	-30.5	-29.6	0.12		
2.3	11.81	710.8	708.1	705.9	-0.31	0.12	0.28	-20.9	-30.6	-29.3	0.12		
2.5	11.96	713.8	711.1	708.8	-0.27	0.16	0.32	-21.1	-30.6	-29.2	0.13		
2.8	12.10	716.8	714.1	711.7	-0.23	0.19	0.36	-21.2	-30.8	-29.3	0.13		
3.0	12.20	719.9	717.1	714.7	-0.19	0.22	0.40	-21.4	-30.9	-29.4	0.14		
3.3	12.26	723.0	720.2	717.7	-0.16	0.25	0.44	-21.4	-31.2	-29.2	0.16		
3.5	12.26	726.1	723.2	720.7	-0.14	0.28	0.48	-21.4	-31.4	-28.9	0.17		
3.8	12.23	729.2	726.3	723.8	-0.12	0.32	0.52	-21.4	-31.7	-28.8	0.19		
4.0	12.14	732.3	729.3	726.8	-0.10	0.36	0.56	-21.4	-32.0	-28.8	0.21		
4.3	12.03	735.4	732.4	729.8	-0.08	0.41	0.61	-21.5	-32.3	-28.7	0.22		
4.5	11.88	738.4	735.4	732.8	-0.06	0.45	0.65	-21.6	-32.9	-28.6	0.24		
4.8	11.70	741.4	738.4	735.7	-0.04	0.48	0.69	-21.8	-33.4	-29.0	0.25		
5.0	11.50	744.4	741.3	738.6	-0.01	0.52	0.73	-21.8	-33.8	-29.0	0.26		
5.3	11.30	747.3	744.2	741.5	0.01	0.55	0.77	-21.7	-34.3	-29.1	0.26		
5.5	11.08	750.2	747.0	744.3	0.04	0.59	0.80	-21.6	-34.8	-29.3	0.27		
5.8	10.85	753.0	749.8	747.0	0.09	0.62	0.83	-21.5	-35.3	-29.2	0.27		
6.0	10.63	755.7	752.5	749.7	0.13	0.66	0.85	-21.5	-35.8	-29.1	0.27		
6.3	10.41	758.4	755.1	752.4	0.17	0.70	0.89	-21.5	-36.1	-28.9	0.26		
6.5	10.19	761.1	757.7	754.9	0.21	0.73	0.92	-21.5	-36.6	-28.9	0.26		
6.8	9.98	763.6	760.3	757.5	0.25	0.77	0.95	-21.5	-37.0	-29.1	0.25		
7.0	9.98	766.2	762.8	760.0	0.29	0.80	0.98	-21.5	-37.4	-29.3	0.25		

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