

Voltage Controlled Oscillator

ROS-850-719+

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	28.56	712.9	709.1	707.3	7.96	6.57	5.37	-22.2	-35.1	-33.1	0.98	1	-87
0.5	24.26	726.2	723.4	721.7	7.90	6.41	5.39	-22.8	-36.0	-32.9	0.67	10	-110
1.0	22.43	737.8	735.5	733.7	7.57	6.27	5.37	-23.2	-36.7	-32.8	0.57	100	-131
1.5	21.56	749.1	746.7	744.8	7.19	6.12	5.33	-23.6	-36.8	-33.1	0.52	1000	-150
2.0	21.09	760.1	757.5	755.4	6.88	5.99	5.28	-24.0	-36.8	-32.8	0.49		
2.5	20.83	770.9	768.0	765.8	6.56	5.87	5.24	-24.3	-37.0	-32.6	0.47		
3.0	20.62	781.5	778.4	776.0	6.28	5.75	5.19	-24.8	-36.5	-33.2	0.46		
3.5	20.46	792.1	788.7	786.2	6.04	5.66	5.16	-25.1	-36.2	-32.9	0.45		
4.0	20.30	802.5	799.0	796.2	5.84	5.62	5.17	-25.5	-35.9	-33.4	0.45		
4.5	20.09	812.9	809.1	806.2	5.66	5.56	5.17	-25.9	-35.0	-33.3	0.45		
5.0	19.84	823.1	819.2	816.1	5.57	5.49	5.11	-26.2	-34.5	-32.9	0.45		
5.5	19.23	833.2	829.1	825.9	5.55	5.44	5.08	-26.6	-33.7	-33.6	0.46		
6.0	18.38	842.9	838.7	835.4	5.69	5.53	5.14	-27.3	-33.0	-33.4	0.48		
6.5	18.99	851.9	847.9	844.6	5.83	5.69	5.25	-28.3	-33.3	-34.6	0.54		
7.0	19.22	861.7	857.4	853.9	5.48	5.56	5.21	-28.4	-35.3	-34.5	0.55		
7.5	18.93	871.7	867.0	863.3	5.25	5.35	5.04	-28.1	-35.5	-33.7	0.50		
8.0	18.62	881.3	876.5	872.6	5.10	5.20	4.93	-28.3	-34.6	-34.1	0.46		
8.5	18.34	890.8	885.8	881.7	4.92	5.08	4.83	-28.7	-34.2	-33.5	0.43		
9.0	18.05	900.1	894.9	890.7	4.75	4.96	4.72	-29.2	-33.7	-33.1	0.41		
9.5	17.77	909.3	904.0	899.6	4.66	4.86	4.63	-29.3	-33.4	-33.4	0.40		
10.0	17.46	918.3	912.9	908.3	4.58	4.79	4.56	-29.6	-32.8	-33.7	0.38		
10.5	17.11	927.2	921.6	916.9	4.50	4.73	4.50	-29.9	-32.4	-33.4	0.37		
11.0	16.71	935.9	930.1	925.3	4.44	4.66	4.44	-30.3	-32.2	-33.9	0.36		
11.5	16.35	944.4	938.5	933.5	4.36	4.62	4.40	-30.9	-32.1	-33.6	0.35		
12.0	16.35	952.7	946.7	941.5	4.22	4.53	4.34	-31.3	-31.4	-33.3	0.34		

REV. X1

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