

Voltage Controlled Oscillator

ROS-850W-119+

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			
0.00	39.13	326.8	318.6	310.6	8.64	7.91	6.04	-21.8	-25.9	-38.9	0.59	1	-72
1.00	30.77	367.5	357.7	352.5	10.74	9.63	6.96	-26.4	-31.0	-47.6	0.12	10	-99
2.00	31.78	397.1	388.5	387.8	10.93	9.33	7.79	-21.2	-40.5	-52.4	1.10	100	-122
3.00	31.27	423.6	420.3	418.5	10.50	9.67	8.26	-22.3	-39.6	-61.4	0.78	1000	-144
4.00	30.90	456.1	451.5	448.3	10.78	9.91	8.85	-22.7	-37.9	-56.4	0.59		
5.00	30.55	488.6	482.5	477.4	11.04	10.39	9.31	-23.2	-38.5	-45.7	0.27		
6.00	31.71	521.1	513.0	507.5	11.25	10.54	9.31	-23.9	-36.0	-45.4	0.35		
7.00	31.85	553.3	544.7	538.6	11.45	10.53	9.27	-24.0	-35.4	-51.0	0.24		
8.00	31.28	585.7	576.6	569.7	11.47	10.38	9.13	-24.5	-35.9	-65.7	0.10		
9.00	30.71	617.7	607.8	600.2	11.33	10.22	8.92	-24.1	-36.9	-56.3	0.03		
10.00	30.92	648.6	638.6	630.5	11.20	10.10	8.89	-22.9	-34.8	-51.9	0.03		
11.00	30.29	678.9	669.5	660.2	10.86	9.92	8.88	-22.9	-32.7	-51.6	0.05		
12.00	29.13	709.5	699.8	689.5	10.60	9.60	8.66	-23.0	-32.0	-52.4	0.21		
13.00	27.36	738.5	728.9	718.0	10.43	9.31	8.40	-23.4	-32.7	-52.0	0.34		
14.00	25.35	765.9	756.3	745.0	10.20	9.07	8.18	-23.9	-33.9	-53.7	0.44		
15.00	23.33	791.4	781.6	769.9	9.87	8.85	7.98	-24.5	-35.3	-54.6	0.46		
16.00	21.30	815.0	804.9	792.7	9.53	8.64	7.73	-24.7	-36.7	-56.8	0.42		
17.00	19.51	836.6	826.2	813.9	9.29	8.44	7.47	-24.6	-37.2	-59.9	0.39		
18.00	18.00	856.1	845.7	833.2	9.12	8.22	7.27	-24.8	-37.6	-61.2	0.39		
19.00	16.32	873.8	863.7	850.9	8.97	8.03	7.12	-24.4	-37.5	-58.6	0.42		
20.00	15.01	890.2	880.1	867.1	8.73	7.88	6.99	-24.3	-37.4	-57.1	0.43		
21.00	13.88	905.4	895.1	882.2	8.41	7.75	6.84	-24.1	-37.1	-55.4	0.45		
22.00	12.98	919.4	908.9	896.1	8.12	7.60	6.63	-23.8	-37.1	-54.2	0.45		
23.00	12.04	932.5	921.9	909.0	7.89	7.42	6.42	-23.6	-36.9	-53.3	0.43		
24.00	11.00	944.7	934.0	921.1	7.74	7.26	6.22	-23.4	-36.8	-52.3	0.36		
25.00	9.96	956.0	945.0	932.2	7.62	7.11	6.08	-23.2	-36.7	-52.0	0.25		
26.00	8.88	966.3	954.9	942.3	7.51	7.00	5.98	-22.9	-36.8	-52.3	0.12		
27.00	8.88	975.4	963.8	951.2	7.39	6.91	5.91	-22.8	-36.6	-52.2	0.01		

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