

Voltage Controlled Oscillator

ROS-6840C-119+

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)					FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F0.5	F1.5	F2	F2.5	F3	
0.00	101.38	6584.7	6560.6	6543.5	1.06	0.17	-0.58	-31.3	-24.7	-23.7	-31.7	-39.9	1.37
0.25	93.76	6609.2	6586.0	6569.7	2.07	-0.09	-0.25	-30.6	-24.8	-23.9	-31.2	-41.0	1.83
0.50	89.71	6632.5	6609.4	6593.6	2.40	0.92	-0.56	-31.0	-26.9	-24.8	-32.6	-42.0	2.09
0.75	89.56	6654.7	6631.9	6616.3	2.08	1.17	0.06	-31.1	-26.7	-24.1	-33.6	-41.4	2.28
1.00	89.51	6676.4	6654.2	6638.2	2.53	0.78	0.43	-31.0	-26.8	-23.8	-35.1	-43.2	2.53
1.25	87.40	6698.5	6676.6	6660.3	2.73	1.42	0.27	-30.4	-27.9	-23.7	-35.4	-44.1	2.62
1.50	87.75	6720.9	6698.5	6682.5	2.59	1.40	0.32	-30.1	-28.9	-23.6	-36.2	-42.7	2.71
1.75	90.37	6743.3	6720.4	6704.2	3.05	1.57	0.56	-29.3	-27.7	-23.1	-35.9	-43.5	2.90
2.00	92.12	6765.6	6743.0	6726.2	2.98	1.87	0.03	-29.7	-30.4	-23.3	-37.3	-41.8	3.09
2.25	93.94	6788.7	6766.0	6749.0	2.20	1.59	0.69	-29.5	-31.3	-23.7	-36.8	-42.1	3.32
2.50	95.79	6812.8	6789.5	6772.2	3.06	1.15	0.66	-28.4	-30.2	-22.8	-35.8	-39.2	3.54
2.75	97.13	6836.9	6813.5	6795.5	2.96	1.72	0.07	-28.6	-31.7	-24.2	-37.0	-42.5	3.62
3.00	102.03	6861.4	6837.7	6819.7	2.35	1.42	0.29	-28.2	-31.7	-25.5	-37.1	-39.7	3.96
3.25	102.02	6887.1	6863.2	6844.5	2.30	0.47	0.38	-27.4	-28.7	-25.3	-38.4	-39.4	4.16
3.50	102.60	6913.7	6888.8	6870.3	2.28	0.80	-0.13	-26.2	-29.9	-24.8	-37.2	-40.6	4.08
3.75	106.92	6939.7	6914.4	6896.0	1.45	0.36	-0.92	-26.1	-25.8	-24.8	-39.1	-38.7	4.20
4.00	105.76	6966.2	6941.1	6921.6	1.46	-0.59	-0.44	-24.8	-27.2	-24.3	-37.9	-36.2	4.09
4.25	101.37	6992.9	6967.6	6948.0	0.99	-0.43	-1.19	-24.7	-23.9	-23.9	-37.4	-37.6	3.33
4.50	97.32	7018.6	6992.9	6973.5	0.63	-1.25	-1.32	-24.0	-24.7	-23.0	-35.2	-37.1	2.48
4.75	93.46	7043.0	7017.2	6998.0	0.22	-1.31	-1.65	-22.8	-24.4	-21.5	-35.6	-35.8	1.59
5.00	86.49	7066.1	7040.6	7021.5	-0.99	-1.86	-2.44	-22.4	-21.5	-20.4	-34.5	-38.1	0.70
5.25	78.68	7087.8	7062.2	7043.2	-0.60	-2.95	-2.23	-21.1	-23.5	-19.5	-36.4	-37.5	0.05
5.50	70.98	7107.3	7081.9	7063.2	-2.01	-2.84	-3.15	-20.2	-20.4	-19.0	-35.1	-35.4	0.50
5.75	64.04	7124.7	7099.6	7081.3	-2.81	-3.34	-4.22	-20.1	-21.9	-18.9	-39.9	-35.9	0.68
6.00	56.76	7140.4	7115.7	7097.3	-3.45	-4.12	-3.69	-19.1	-20.7	-18.1	-33.4	-34.2	0.61
6.25	49.65	7154.3	7129.8	7111.5	-2.82	-4.80	-4.33	-18.3	-18.1	-17.7	-30.8	-34.2	0.29
6.50	42.97	7166.3	7142.3	7124.1	-2.85	-4.68	-4.89	-17.4	-18.8	-17.3	-30.9	-33.7	0.29
6.75	37.16	7176.8	7153.0	7135.1	-3.20	-4.03	-5.36	-17.8	-19.6	-18.4	-31.0	-34.1	1.05
7.00	37.16	7185.9	7162.3	7144.5	-3.50	-4.20	-5.87	-17.7	-19.5	-18.6	-32.0	-34.9	2.02

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-70
10	-97
100	-121
1000	-141

