

Voltage Controlled Oscillator

ROS-800-1019+

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	139.40	455.14	442.03	438.47	2.38	1.64	0.79	-12.87	-34.85	-37.24	2.86	1	-74
0.25	118.56	490.34	476.88	473.84	1.90	1.41	0.49	-18.61	-34.25	-37.48	3.82	10	-102
0.50	104.52	519.23	506.52	503.07	1.55	1.22	0.39	-23.45	-33.90	-38.33	3.32	100	-126
0.75	95.85	544.69	532.65	528.83	1.22	0.90	0.20	-26.84	-33.49	-39.36	2.89	1000	-146
1.00	89.72	568.23	556.61	552.51	1.03	0.68	0.07	-29.18	-32.85	-40.41	2.51		
1.25	85.46	590.42	579.04	574.76	0.96	0.59	0.05	-31.19	-32.67	-42.03	2.18		
1.50	82.86	611.68	600.40	596.04	0.85	0.53	0.06	-32.60	-33.05	-40.75	1.91		
1.75	81.15	632.34	621.12	616.72	0.69	0.39	-0.01	-33.11	-32.89	-39.00	1.68		
2.00	79.84	652.58	641.41	637.01	0.65	0.26	-0.12	-33.60	-33.29	-37.34	1.50		
2.25	79.06	672.54	661.36	657.01	0.77	0.29	-0.10	-33.57	-33.67	-36.31	1.37		
2.50	78.64	692.31	681.13	676.83	0.91	0.42	0.03	-33.63	-34.29	-35.59	1.27		
2.75	78.30	711.91	700.79	696.56	1.05	0.54	0.15	-33.44	-35.36	-34.57	1.21		
3.00	77.92	731.35	720.37	716.23	1.20	0.65	0.26	-32.78	-36.55	-33.58	1.17		
3.25	77.38	750.64	739.85	735.83	1.41	0.79	0.39	-32.66	-37.83	-33.54	1.15		
3.50	76.72	769.76	759.19	755.32	1.64	0.97	0.54	-32.00	-40.00	-33.44	1.14		
3.75	76.20	788.67	778.37	774.67	1.75	1.11	0.67	-31.52	-41.51	-32.78	1.13		
4.00	75.59	807.45	797.42	793.87	1.61	1.05	0.62	-31.08	-43.04	-32.01	1.12		
4.25	74.77	826.07	816.32	812.92	1.15	0.71	0.29	-30.19	-43.57	-31.71	1.13		
4.50	73.39	844.46	835.01	831.75	0.35	0.02	-0.37	-29.00	-43.63	-30.48	1.14		
4.75	71.83	862.48	853.36	850.24	-0.84	-1.03	-1.39	-27.80	-42.95	-28.26	1.16		
5.00	70.12	880.09	871.31	868.35	-2.35	-2.45	-2.77	-25.71	-41.47	-26.63	1.19		
5.25	68.63	897.25	888.84	886.04	-3.95	-4.08	-4.41	-23.86	-39.72	-24.90	1.22		
5.50	67.48	914.07	906.00	903.36	-5.49	-5.71	-6.10	-22.02	-37.99	-23.00	1.24		
5.75	66.70	930.59	922.87	920.39	-7.01	-7.29	-7.75	-20.08	-35.61	-21.63	1.24		
6.00	66.05	946.95	939.55	937.22	-8.62	-8.90	-9.45	-18.27	-33.44	-20.69	1.23		
6.25	65.39	963.12	956.06	953.85	-10.28	-10.62	-11.29	-16.39	-30.05	-19.11	1.19		
6.50	64.70	979.14	972.41	970.25	-11.85	-12.34	-13.23	-14.31	-26.81	-18.55	1.14		
6.75	64.03	994.99	988.58	986.38	-13.28	-13.97	-15.17	-12.88	-24.00	-18.33	1.07		
7.00	64.03	1010.69	1004.59	1002.21	-14.51	-15.47	-17.11	-11.97	-21.62	-18.30	0.97		

