

# Voltage Controlled Oscillator

# ROS-800C-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	4.58	793.7	792.2	790.9	5.60	5.78	5.73	-26.39	-38.80	-36.11	0.13	1	-97
0.25	4.03	794.8	793.3	792.1	5.55	5.72	5.68	-26.55	-38.50	-36.22	0.04	10	-124
0.50	3.75	795.7	794.3	793.2	5.49	5.67	5.63	-26.71	-38.39	-36.38	0.01	100	-145
0.75	3.60	796.6	795.3	794.1	5.44	5.63	5.59	-26.89	-38.32	-36.54	0.01	1000	-164
1.00	3.52	797.5	796.2	795.0	5.39	5.58	5.55	-27.05	-38.21	-36.62	0.02		
1.25	3.48	798.4	797.0	795.9	5.34	5.53	5.51	-27.24	-38.13	-36.78	0.03		
1.50	3.46	799.3	797.9	796.8	5.29	5.48	5.47	-27.42	-38.01	-36.84	0.03		
1.75	3.47	800.1	798.8	797.7	5.24	5.44	5.43	-27.61	-37.89	-36.94	0.03		
2.00	3.48	801.0	799.6	798.5	5.19	5.39	5.39	-27.80	-37.77	-37.04	0.03		
2.25	3.50	801.9	800.5	799.4	5.13	5.34	5.35	-28.00	-37.60	-37.24	0.02		
2.50	3.51	802.7	801.4	800.3	5.08	5.29	5.30	-28.19	-37.46	-37.40	0.01		
2.75	3.53	803.6	802.3	801.2	5.03	5.24	5.26	-28.39	-37.33	-37.63	0.00		
3.00	3.53	804.5	803.1	802.1	4.97	5.19	5.21	-28.56	-37.17	-37.86	0.01		
3.25	3.53	805.4	804.0	802.9	4.92	5.14	5.17	-28.75	-37.04	-38.12	0.03		
3.50	3.52	806.2	804.9	803.8	4.86	5.09	5.12	-28.90	-36.91	-38.41	0.05		
3.75	3.50	807.1	805.8	804.7	4.81	5.04	5.07	-29.04	-36.78	-38.65	0.06		
4.00	3.47	808.0	806.7	805.6	4.76	4.99	5.03	-29.15	-36.69	-38.92	0.09		
4.25	3.44	808.9	807.5	806.5	4.70	4.94	4.98	-29.09	-36.57	-39.21	0.10		
4.50	3.40	809.7	808.4	807.3	4.65	4.89	4.93	-29.33	-36.51	-39.44	0.12		
4.75	3.36	810.5	809.2	808.2	4.60	4.85	4.89	-29.39	-36.45	-39.77	0.14		
5.00	3.31	811.4	810.1	809.0	4.55	4.80	4.84	-29.43	-36.39	-40.10	0.16		
5.25	3.25	812.2	810.9	809.9	4.51	4.75	4.79	-29.45	-36.31	-40.37	0.17		
5.50	3.20	813.0	811.7	810.7	4.46	4.70	4.75	-29.47	-36.23	-40.67	0.18		
5.75	3.14	813.8	812.5	811.5	4.42	4.66	4.71	-29.48	-36.17	-41.00	0.19		
6.00	3.14	814.6	813.3	812.3	4.37	4.62	4.67	-29.49	-36.10	-41.26	0.20		

REV. X1  
 ROS-800C-119+  
 080908  
 Page 1 of 1



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