

Voltage Controlled Oscillator

ROS-808+

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	18.84	744.4	740.7	737.1	6.30	7.60	7.96	-27.7	-51.9	-48.6	0.58	1	-84
0.3	17.37	749.8	746.2	742.8	6.17	7.53	7.95	-28.6	-52.3	-48.6	0.48	10	-111
0.5	16.89	753.3	749.7	746.3	6.11	7.50	7.94	-29.0	-52.3	-48.4	0.43	100	-132
0.8	16.77	757.5	754.0	750.5	6.04	7.47	7.93	-29.4	-52.1	-48.3	0.40	1000	-152
1.0	16.99	761.7	758.2	754.7	5.99	7.44	7.93	-29.6	-51.8	-48.2	0.38		
1.3	17.48	766.0	762.4	758.9	5.94	7.42	7.93	-30.0	-51.9	-48.2	0.37		
1.5	18.15	770.5	766.8	763.2	5.90	7.41	7.93	-30.6	-51.6	-48.1	0.37		
1.8	18.94	775.2	771.3	767.6	5.86	7.39	7.93	-31.3	-51.3	-47.9	0.40		
2.0	19.72	780.0	776.0	772.2	5.84	7.37	7.93	-32.0	-51.0	-47.9	0.45		
2.3	20.36	785.1	781.0	777.0	5.81	7.35	7.93	-32.9	-50.7	-47.4	0.55		
2.5	20.78	790.4	786.1	782.0	5.79	7.33	7.93	-33.9	-50.8	-46.7	0.69		
2.8	20.86	795.7	791.3	787.1	5.76	7.31	7.92	-34.9	-50.7	-46.5	0.87		
3.0	20.57	801.1	796.5	792.2	5.73	7.28	7.90	-35.7	-50.4	-46.3	1.08		
3.3	19.84	806.3	801.6	797.3	5.69	7.24	7.88	-36.4	-50.0	-45.8	1.29		
3.5	18.71	811.4	806.6	802.2	5.66	7.21	7.86	-37.4	-49.3	-45.5	1.49		
3.8	17.21	816.1	811.3	806.9	5.63	7.18	7.83	-38.3	-49.0	-45.3	1.63		
4.0	15.45	820.4	815.6	811.2	5.60	7.15	7.80	-39.2	-48.7	-44.6	1.71		
4.3	13.53	824.2	819.4	815.1	5.59	7.13	7.78	-40.0	-48.4	-44.2	1.69		
4.5	11.57	827.5	822.8	818.5	5.57	7.11	7.77	-40.7	-48.1	-44.1	1.59		
4.7	10.06	829.7	825.1	820.9	5.55	7.10	7.75	-41.2	-47.9	-44.3	1.46		
5.0	7.95	832.6	828.1	824.0	5.54	7.09	7.74	-42.0	-47.8	-44.2	1.22		
5.3	6.43	834.4	830.1	826.0	5.53	7.08	7.73	-42.4	-47.8	-44.0	0.98		
5.5	5.16	835.9	831.7	827.7	5.52	7.07	7.72	-42.7	-47.4	-43.7	0.76		
5.8	4.14	837.0	833.0	829.0	5.52	7.07	7.71	-42.9	-47.4	-43.4	0.55		
6.0	3.36	838.0	834.0	830.1	5.52	7.06	7.71	-43.2	-47.1	-43.3	0.38		
6.3	2.76	838.7	834.9	831.0	5.52	7.06	7.71	-43.3	-47.0	-43.1	0.26		
6.5	2.32	839.3	835.6	831.7	5.52	7.06	7.70	-43.4	-47.0	-43.1	0.16		
6.8	1.99	839.9	836.2	832.3	5.52	7.06	7.70	-43.6	-47.2	-43.0	0.09		
7.0	1.99	840.3	836.6	832.8	5.52	7.06	7.70	-43.6	-46.7	-42.8	0.05		

REV. X1

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