

Voltage Controlled Oscillator

ROS-ED8501A/2

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			
1.0	3.66	810.4	808.5	805.9	3.53	4.38	4.58	-20.2	-45.7	-41.3	0.10	1	88
2.0	2.75	813.1	811.3	808.7	3.67	4.40	4.64	-20.5	-46.3	-40.8	0.11	10	115
3.0	2.50	815.6	813.8	811.2	3.69	4.55	4.66	-20.5	-45.7	-40.5	0.09	100	135
4.0	2.44	818.0	816.2	813.7	3.68	4.56	4.81	-21.0	-46.0	-40.3	0.11	1000	155
5.0	2.50	820.5	818.7	816.2	3.69	4.55	4.83	-21.3	-46.3	-40.0	0.11		
6.0	2.65	823.2	821.4	818.8	3.77	4.57	4.83	-21.5	-47.0	-39.3	0.13		
7.0	2.91	826.1	824.3	821.7	3.79	4.66	4.85	-21.8	-47.7	-39.2	0.10		
8.0	3.14	829.3	827.4	824.8	3.89	4.69	4.95	-22.3	-47.3	-38.7	0.11		
9.0	3.40	832.7	830.8	828.2	3.98	4.81	5.07	-22.8	-47.8	-38.2	0.12		
10.0	3.50	836.2	834.3	831.7	4.03	4.91	5.11	-23.2	-47.7	-37.7	0.13		
11.0	3.41	839.6	837.8	835.1	4.14	5.03	5.22	-23.5	-48.3	-37.0	0.15		
12.0	3.17	842.8	840.9	838.3	4.24	5.09	5.34	-23.8	-49.3	-36.8	0.15		
13.0	2.86	845.7	843.8	841.2	4.30	5.19	5.40	-24.0	-48.8	-36.5	0.14		
14.0	2.58	848.2	846.4	843.8	4.38	5.25	5.50	-24.3	-50.8	-36.3	0.16		
15.0	2.30	850.5	848.7	846.1	4.43	5.33	5.56	-24.5	-51.0	-36.2	0.16		
16.0	2.08	852.6	850.7	848.2	4.57	5.39	5.64	-24.7	-51.5	-35.8	0.15		
17.0	1.89	854.5	852.6	850.1	4.62	5.53	5.69	-25.2	-51.7	-35.7	0.15		
18.0	1.72	856.2	854.4	851.8	4.66	5.57	5.73	-25.2	-50.8	-35.5	0.16		
19.0	1.57	857.8	855.9	853.4	4.72	5.61	5.87	-25.3	-52.8	-35.3	0.14		
20.0	1.50	859.3	857.4	854.9	4.76	5.66	5.91	-25.7	-52.5	-35.3	0.15		
21.0	1.39	860.7	858.8	856.3	4.80	5.71	5.95	-25.7	-51.8	-35.2	0.14		
22.0	1.31	862.0	860.1	857.6	4.83	5.75	6.01	-25.8	-53.0	-35.2	0.14		
23.0	1.22	863.2	861.3	858.8	4.79	5.78	6.05	-26.0	-52.8	-34.8	0.16		
24.0	1.13	864.3	862.5	859.9	4.81	5.82	6.08	-26.0	-52.7	-34.8	0.16		
25.0	1.05	865.4	863.5	861.0	4.84	5.76	6.11	-26.2	-52.8	-34.7	0.12		