

Voltage Controlled Oscillator

ROS-EDR5812/1

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	20.29	318.2	316.9	315.2	4.27	3.46	2.03	-22.9	-34.3	-46.0	-0.90	1	-82
2.0	18.94	337.1	335.9	334.0	4.79	3.98	2.61	-23.5	-35.8	-47.8	-0.26	10	-109
3.0	19.14	356.9	355.0	353.0	4.85	4.17	2.90	-23.9	-36.5	-52.7	-0.45	100	-131
4.0	19.39	375.6	374.4	372.7	4.96	4.21	2.91	-24.7	-37.4	-47.3	-0.64	1000	-148
5.0	19.26	394.6	393.7	392.1	4.86	4.12	2.98	-25.3	-38.3	-44.2	-0.96		
6.0	18.30	412.9	412.0	410.5	4.76	4.09	2.94	-25.6	-39.1	-41.9	-1.09		
7.0	17.47	430.1	429.4	428.2	4.74	4.05	2.90	-26.3	-40.1	-36.8	-1.34		
8.0	16.58	446.7	446.0	444.7	4.76	4.06	2.96	-27.0	-41.3	-32.7	-1.47		
9.0	15.81	462.4	461.8	460.5	4.71	4.02	2.90	-27.9	-40.0	-37.9	-1.47		
10.0	14.85	477.4	476.7	475.5	4.61	3.91	2.74	-28.5	-39.7	-41.7	-1.54		
11.0	14.14	491.4	490.8	489.9	4.62	3.86	2.64	-29.3	-39.4	-44.2	-1.66		
12.0	13.69	504.8	504.5	503.4	4.56	3.76	2.61	-30.1	-38.9	-44.8	-1.67		
13.0	12.75	517.7	517.2	516.0	4.35	3.61	2.52	-30.7	-38.2	-44.4	-1.66		
14.0	11.90	529.7	529.2	527.9	4.18	3.48	2.40	-31.1	-38.0	-43.5	-1.73		
15.0	11.03	540.7	540.2	539.0	4.10	3.42	2.29	-31.7	-37.4	-42.3	-1.85		
16.0	9.32	550.7	549.5	549.4	3.99	3.33	2.13	-32.2	-36.6	-40.4	-1.98		
17.0	10.63	560.6	560.1	559.2	3.84	3.16	1.96	-33.1	-35.1	-38.8	-2.30		
18.0	8.75	569.2	568.9	568.0	3.92	3.18	1.93	-33.1	-33.7	-37.5	-2.39		
19.0	7.63	576.7	576.5	575.9	4.14	3.33	1.97	-33.3	-33.5	-37.7	-2.50		
20.0	7.11	583.6	583.6	583.2	4.31	3.42	1.97	-34.0	-34.2	-39.2	-3.09		
21.0	6.73	590.1	590.3	589.9	4.42	3.43	1.87	-35.4	-34.6	-41.0	-2.58		
22.0	6.32	596.3	596.7	596.3	4.40	3.36	1.67	-37.1	-35.4	-41.6	-2.49		