

Voltage Controlled Oscillator

ROS-ED9281B/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			
0.5	63.00	3074.4	3049.0	3028.5	4.22	4.14	3.72	-31.4	-24.2	-47.3	3.55	1	-70
1.0	52.68	3101.2	3075.4	3054.7	4.19	4.28	3.99	-31.8	-24.9	-46.8	3.68	10	-92
1.5	48.04	3123.6	3099.4	3078.3	4.22	4.24	4.08	-32.6	-25.2	-47.2	3.87	100	-112
2.0	41.94	3143.9	3120.3	3099.6	4.23	4.28	4.04	-31.6	-25.4	-46.8	3.63	1000	-132
2.5	38.28	3163.4	3139.5	3119.9	4.22	4.29	4.08	-31.6	-26.1	-46.7	3.67		
3.0	37.12	3182.4	3158.0	3137.9	4.24	4.27	4.13	-31.2	-26.1	-47.1	3.72		
3.5	35.52	3200.7	3175.8	3155.3	4.24	4.33	4.07	-31.2	-26.3	-47.4	3.80		
4.0	35.68	3217.9	3193.6	3172.7	4.31	4.31	4.13	-30.4	-26.6	-46.9	3.80		
4.5	33.76	3234.6	3210.5	3189.5	4.46	4.36	4.15	-29.4	-27.3	-47.2	3.75		
5.0	32.24	3251.1	3226.6	3206.2	4.61	4.47	4.16	-28.7	-26.3	-46.9	3.72		
5.5	32.24	3267.1	3242.8	3222.2	4.67	4.63	4.27	-28.3	-26.8	-47.1	3.83		
6.0	31.64	3283.6	3258.6	3237.6	4.65	4.75	4.45	-27.7	-26.8	-47.1	3.70		
6.5	31.36	3299.7	3274.3	3253.1	4.57	4.77	4.55	-27.2	-27.3	-46.9	3.83		
7.0	32.06	3315.7	3290.3	3268.8	4.54	4.72	4.62	-26.6	-26.9	-44.4	3.83		
7.5	31.86	3331.8	3306.2	3284.2	4.59	4.66	4.60	-25.8	-27.1	-45.9	3.81		
8.0	31.26	3347.6	3321.9	3300.1	4.69	4.65	4.53	-25.1	-27.3	-45.4	3.76		
8.5	32.34	3363.4	3338.0	3315.8	4.73	4.73	4.53	-24.0	-27.7	-46.4	3.81		
9.0	31.02	3379.9	3353.5	3331.3	4.78	4.84	4.58	-24.0	-28.4	-45.5	3.65		
9.5	32.00	3396.3	3369.5	3347.1	4.89	4.89	4.67	-23.4	-29.9	-46.6	3.88		
10.0	33.12	3413.1	3386.1	3363.0	5.03	4.98	4.77	-22.4	-29.9	-46.9	3.89		
10.5	32.96	3430.7	3402.6	3378.9	5.23	5.16	4.84	-22.3	-30.1	-46.1	3.88		
11.0	33.72	3447.2	3419.4	3395.5	5.36	5.32	4.98	-22.1	-30.7	-46.1	3.97		
11.5	33.92	3464.0	3436.4	3411.9	5.35	5.54	5.19	-21.6	-29.5	-43.9	3.59		
12.0	31.88	3481.0	3452.3	3428.3	5.41	5.62	5.38	-21.5	-29.8	-43.0	3.57		
12.5	33.08	3497.8	3468.9	3444.8	5.45	5.61	5.50	-21.1	-29.5	-42.5	3.59		
13.0	32.58	3515.7	3485.2	3460.6	5.65	5.71	5.55	-20.5	-30.5	-42.8	3.14		
13.5	32.88	3532.2	3501.6	3476.9	5.91	5.76	5.54	-20.9	-31.0	-42.5	3.30		
14.0	33.44	3548.4	3518.3	3493.1	6.04	6.00	5.62	-21.0	-31.3	-41.4	3.02		
14.5	30.64	3564.6	3533.6	3509.1	6.21	6.18	5.73	-21.6	-31.8	-42.6	2.69		