

Voltage Controlled Oscillator

ROS-ED9781/1

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			
0.1	63.04	3296.0	3271.1	3253.2	5.07	4.90	3.29	-34.9	-29.9	-49.0	1.63	1	-72
0.3	57.92	3302.7	3278.3	3260.6	5.03	4.94	3.36	-34.7	-30.2	-49.8	1.73	10	-94
0.4	54.08	3309.2	3285.1	3267.5	5.09	4.98	3.44	-34.7	-29.8	-48.0	1.77	100	-115
0.5	50.80	3315.2	3291.5	3274.0	5.05	4.97	3.46	-34.8	-29.7	-48.5	1.77	1000	-131
0.6	48.00	3321.2	3297.5	3280.1	5.07	4.96	3.53	-34.8	-29.7	-48.2	1.77		
0.8	45.52	3326.8	3303.1	3286.0	5.09	4.92	3.56	-34.9	-29.8	-49.2	1.80		
0.9	43.28	3332.1	3308.6	3291.5	5.09	4.99	3.56	-34.6	-29.9	-47.9	1.73		
1.0	42.32	3337.3	3313.8	3296.8	5.08	4.97	3.55	-34.6	-30.4	-49.5	1.73		
1.1	40.40	3342.4	3318.9	3301.8	5.10	4.96	3.63	-34.3	-30.8	-50.4	1.77		
1.3	39.20	3347.4	3323.8	3306.7	5.10	4.96	3.56	-34.4	-31.0	-48.2	1.77		
1.4	38.80	3352.3	3328.6	3311.5	5.20	4.97	3.63	-34.1	-30.7	-49.0	1.93		
1.5	37.68	3357.2	3333.4	3316.1	5.20	4.97	3.58	-33.9	-30.6	-49.5	1.87		
1.6	37.20	3361.9	3338.0	3320.7	5.11	4.99	3.58	-33.9	-31.4	-49.9	1.97		
1.8	36.16	3366.5	3342.5	3325.3	5.42	5.00	3.58	-34.0	-31.4	-48.8	1.97		
1.9	35.76	3371.0	3347.0	3329.6	5.23	5.00	3.60	-33.8	-31.9	-50.4	1.97		
2.0	35.60	3375.4	3351.4	3333.9	5.43	5.11	3.60	-33.8	-32.3	-50.1	2.00		
2.1	34.80	3379.6	3355.8	3338.1	5.37	5.11	3.63	-33.9	-32.2	-50.1	1.97		
2.3	34.64	3383.9	3360.1	3342.2	5.41	5.05	3.65	-33.6	-32.2	-50.4	2.13		
2.4	34.00	3388.1	3364.4	3346.3	5.37	5.36	3.66	-33.5	-32.0	-50.3	2.00		
2.5	32.96	3392.1	3368.5	3350.3	5.36	5.18	3.76	-33.2	-32.2	-49.3	2.13		
2.6	33.44	3396.3	3372.7	3354.4	5.41	5.39	3.77	-33.2	-32.5	-50.6	2.13		
2.8	32.40	3400.2	3376.7	3358.5	5.42	5.37	3.71	-32.6	-33.1	-50.4	2.13		
2.9	32.08	3404.0	3380.7	3362.5	5.26	5.34	4.03	-32.9	-33.2	-50.3	2.17		
3.0	31.20	3407.8	3384.6	3366.4	5.50	5.39	4.02	-33.0	-33.3	-50.2	2.13		
3.1	30.88	3411.6	3388.5	3370.3	5.51	5.36	3.86	-32.6	-33.0	-50.4	2.13		
3.3	30.40	3415.3	3392.3	3374.2	5.25	5.36	4.06	-32.9	-33.0	-50.2	2.13		
3.4	30.08	3419.0	3396.1	3377.9	5.47	5.41	4.03	-32.7	-32.8	-50.9	2.13		
3.5	29.52	3422.7	3399.7	3381.6	5.22	5.42	4.02	-32.5	-33.3	-49.5	2.13		
3.6	29.36	3426.4	3403.4	3385.3	5.24	5.27	4.07	-32.1	-33.4	-49.9	2.07		
3.8	28.96	3430.1	3407.0	3388.9	5.38	5.28	4.05	-32.2	-33.8	-49.8	2.13		
3.9	28.24	3433.8	3410.6	3392.4	5.45	5.52	4.04	-32.0	-33.4	-50.3	2.00		
4.0	28.56	3437.5	3414.1	3395.9	5.48	5.25	4.08	-32.3	-33.6	-50.5	2.00		
4.1	28.24	3441.1	3417.7	3399.4	5.52	5.47	4.09	-31.9	-33.5	-49.9	2.13		
4.3	27.52	3444.6	3421.1	3402.8	5.40	5.49	3.95	-31.8	-33.6	-50.2	2.23		
4.4	27.68	3448.2	3424.6	3406.3	5.29	5.24	3.95	-32.2	-33.4	-49.7	2.13		
4.5	27.84	3451.7	3428.0	3409.7	5.32	5.38	4.19	-31.7	-33.6	-50.2	2.13		
4.6	27.60	3455.3	3431.5	3413.0	5.40	5.40	3.91	-31.5	-33.7	-50.8	2.23		
4.8	27.52	3458.8	3434.9	3416.3	5.42	5.46	3.91	-31.8	-34.0	-50.8	2.27		
4.9	27.28	3462.3	3438.3	3419.7	5.43	5.50	4.17	-31.8	-33.4	-49.1	2.13		
5.0	27.92	3465.9	3441.8	3423.0	5.48	5.52	3.90	-31.5	-34.0	-49.9	2.13		