

Voltage Controlled Oscillator

ROS-EDR5881

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			
0.3	30.23	3172.2	3153.4	3139.9	1.19	0.40	-1.20	-26.8	-19.0	-67.3	-0.28	1	-72
0.5	30.69	3180.0	3161.1	3147.4	1.31	0.46	-1.01	-27.5	-18.7	-65.5	-0.28	10	-98
0.8	32.48	3188.3	3169.2	3155.4	1.46	0.50	-0.89	-28.1	-18.3	-62.9	-0.28	100	-120
1.0	35.85	3197.5	3178.1	3164.0	1.57	0.58	-0.84	-28.8	-18.2	-61.1	-0.27	1000	-138
1.3	40.01	3208.1	3188.1	3173.7	1.64	0.72	-0.80	-29.8	-18.2	-60.1	-0.26		
1.5	45.53	3220.1	3199.5	3184.7	1.64	0.85	-0.67	-30.4	-18.4	-59.0	-0.25		
1.8	52.18	3233.8	3212.6	3197.1	1.93	0.92	-0.48	-31.3	-18.4	-58.6	-0.26		
2.0	58.32	3248.9	3227.1	3211.2	2.17	0.97	-0.37	-31.3	-18.5	-57.5	-0.29		
2.3	64.42	3265.3	3243.2	3226.8	2.35	1.30	-0.39	-31.8	-18.9	-57.5	-0.32		
2.5	68.67	3282.7	3260.4	3243.8	2.63	1.50	-0.18	-33.0	-19.6	-57.5	-0.39		
2.8	71.33	3300.4	3278.3	3261.7	2.78	1.74	0.01	-34.0	-21.3	-61.0	-0.52		
3.0	71.28	3317.7	3296.1	3280.0	2.82	1.89	0.19	-35.0	-22.9	-63.8	-0.76		
3.3	69.53	3334.4	3313.5	3298.1	2.94	1.95	0.42	-36.0	-24.1	-64.3	-1.05		
3.5	65.26	3350.1	3329.8	3315.4	2.93	2.00	0.47	-37.4	-27.5	-63.1	-1.38		
3.8	61.27	3364.8	3345.1	3331.5	2.91	2.07	0.49	-38.0	-28.6	-66.0	-1.64		
4.0	56.26	3378.5	3359.2	3346.3	3.14	1.96	0.56	-37.7	-33.2	-66.7	-1.84		
4.3	51.52	3391.1	3372.0	3359.6	3.19	2.06	0.47	-37.5	-36.8	-66.3	-1.97		
4.5	46.22	3402.4	3383.6	3371.4	3.18	2.24	0.31	-36.7	-41.1	-66.9	-2.02		
4.8	41.44	3412.3	3393.9	3381.9	3.11	2.27	0.48	-36.4	-41.1	-65.5	-2.02		
5.0	36.28	3421.3	3403.0	3390.8	3.12	2.24	0.64	-36.3	-39.7	-67.2	-1.88		
5.3	30.61	3429.2	3410.7	3398.3	3.14	2.19	0.67	-35.7	-35.9	-67.0	-1.72		
5.5	25.92	3436.0	3417.1	3404.5	3.13	2.18	0.66	-35.8	-32.5	-67.6	-1.54		
5.8	21.66	3441.7	3422.6	3409.5	3.11	2.19	0.62	-35.8	-30.1	-66.1	-1.33		
6.0	17.78	3446.4	3427.0	3413.6	3.08	2.21	0.58	-35.3	-29.6	-66.2	-1.11		
6.3	14.39	3450.2	3430.6	3416.8	3.04	2.21	0.55	-34.9	-29.9	-66.5	-0.91		
6.5	11.61	3453.3	3433.5	3419.4	3.00	2.21	0.53	-34.5	-30.4	-67.0	-0.75		
6.8	9.42	3455.8	3435.9	3421.6	2.94	2.20	0.53	-34.3	-30.8	-67.1	-0.62		
7.0	7.76	3457.8	3437.8	3423.4	2.90	2.19	0.53	-34.2	-31.1	-66.6	-0.53		