

Voltage Controlled Oscillator

ROS-ED10187/1

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			
0.3	145.00	3033.6	3002.1	2976.3	5.81	5.33	4.23	-24.8	-31.0	-46.9	0.42	1	-65
0.5	123.52	3064.6	3032.9	3008.0	5.51	5.60	4.41	-25.1	-28.9	-46.5	0.24	10	-90
0.8	113.24	3093.7	3061.3	3036.4	5.31	5.50	4.46	-24.5	-28.2	-47.3	0.60	100	-110
1.0	109.20	3121.1	3088.6	3062.9	5.22	5.34	4.43	-24.3	-27.4	-47.0	0.87	1000	-130
1.3	105.32	3147.5	3114.9	3088.6	5.19	5.30	4.35	-24.1	-26.8	-44.8	1.10		
1.5	101.44	3173.9	3140.2	3114.2	5.31	5.30	4.33	-23.8	-27.1	-44.1	1.26		
1.8	102.32	3200.6	3165.8	3139.2	5.21	5.35	4.44	-23.6	-25.4	-43.8	1.45		
2.0	105.52	3226.6	3192.2	3164.4	5.39	5.30	4.56	-23.4	-25.1	-46.7	1.45		
2.3	103.20	3252.9	3218.0	3189.9	5.12	5.54	4.50	-23.3	-26.2	-45.3	1.40		
2.5	103.12	3280.0	3243.8	3216.2	5.09	5.40	4.81	-23.2	-25.1	-45.2	1.25		
2.8	104.24	3306.9	3269.8	3241.4	5.11	5.20	4.73	-23.1	-25.8	-44.2	1.10		
3.0	106.20	3332.3	3296.4	3266.5	5.30	5.24	4.60	-22.2	-25.8	-43.5	0.85		
3.3	97.96	3357.6	3320.9	3291.6	5.26	5.42	4.49	-21.8	-24.7	-42.5	0.57		
3.5	94.88	3382.9	3344.6	3316.1	5.14	5.49	4.70	-21.9	-25.6	-42.7	0.40		
3.8	92.92	3406.2	3367.8	3338.5	5.14	5.43	4.83	-22.3	-25.5	-45.4	0.25		
4.0	92.96	3427.6	3391.1	3360.1	4.96	5.30	4.82	-21.9	-25.6	-45.0	0.15		
4.3	80.88	3448.1	3411.3	3380.8	4.91	5.22	4.73	-21.4	-26.3	-44.8	0.10		
4.5	76.40	3468.5	3430.4	3401.6	4.88	5.12	4.62	-21.4	-26.1	-46.1	0.16		
4.8	72.36	3488.2	3448.5	3419.4	4.80	5.07	4.66	-21.4	-27.4	-44.8	0.16		
5.0	71.52	3505.0	3466.4	3436.2	4.74	5.00	4.55	-21.2	-27.6	-45.0	0.22		
5.3	71.60	3520.8	3484.3	3452.1	4.78	5.09	4.50	-20.5	-28.5	-45.5	0.23		
5.5	59.48	3535.9	3499.1	3467.3	4.71	5.14	4.46	-20.1	-28.5	-45.7	0.29		
5.8	56.12	3550.2	3513.2	3482.5	4.55	5.13	4.38	-19.9	-29.1	-44.9	0.34		
6.0	53.24	3566.3	3526.5	3497.3	4.40	4.81	4.48	-19.9	-29.3	-46.0	0.34		
6.3	50.52	3579.6	3539.1	3509.6	4.50	4.80	4.49	-19.8	-29.4	-45.1	0.39		
6.5	48.72	3591.4	3551.3	3521.2	4.25	4.67	4.36	-19.9	-30.0	-45.2	0.39		
6.8	52.64	3602.6	3564.4	3532.3	4.39	4.49	4.31	-20.1	-30.9	-44.7	0.51		
7.0	47.68	3613.2	3576.4	3542.8	4.32	4.48	4.23	-19.8	-30.5	-45.7	0.39		
7.3	39.40	3623.2	3586.2	3552.7	4.13	4.42	4.07	-19.8	-30.5	-45.2	0.40		
7.5	37.04	3632.7	3595.5	3562.2	4.13	4.55	3.98	-19.7	-30.3	-45.2	0.39		
7.8	34.80	3641.9	3604.2	3571.9	4.04	4.49	3.84	-19.9	-30.7	-45.4	0.39		
8.0	32.76	3652.7	3612.4	3582.2	4.08	4.41	3.89	-20.0	-30.6	-45.2	0.34		
8.3	30.64	3662.0	3620.0	3590.1	4.17	4.22	3.73	-20.2	-31.2	-45.3	0.35		
8.5	28.36	3669.1	3627.1	3596.9	4.21	4.17	3.91	-20.0	-31.4	-45.2	0.34		
8.8	26.28	3675.6	3633.7	3603.3	4.18	4.20	3.89	-19.8	-32.1	-44.4	0.33		
9.0	24.72	3681.6	3639.9	3609.1	4.15	4.15	3.85	-19.6	-37.0	-43.3	0.39		
9.3	24.52	3687.2	3646.0	3614.5	4.11	4.06	3.80	-19.6	-42.1	-43.5	0.45		
9.5	26.88	3692.3	3652.7	3619.5	4.07	4.13	3.61	-19.6	-35.0	-44.1	0.56		
9.8	24.52	3696.9	3658.8	3624.1	4.02	4.19	3.60	-19.5	-32.9	-43.7	0.55		
10.0	18.04	3701.0	3663.4	3628.2	3.96	4.23	3.56	-19.3	-30.9	-43.0	0.55		