

# Voltage Controlled Oscillator

# ROS-3360-319+

## 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			
0.00	126.51	3026.7	3011.6	2999.8	3.72	3.30	2.87	-20.7	-32.4	-48.4	2.90	1	-69
0.25	113.56	3057.4	3043.2	3033.1	3.81	3.38	2.98	-20.2	-31.9	-49.2	1.77	10	-96
0.50	101.12	3084.1	3071.6	3061.4	3.81	3.38	3.14	-20.2	-31.7	-47.9	1.18	100	-117
0.75	93.81	3109.8	3096.9	3086.7	3.78	3.38	3.17	-19.4	-31.7	-48.9	0.84	1000	-138
1.00	91.97	3133.3	3120.3	3111.3	3.82	3.38	3.13	-19.1	-32.1	-48.1	0.59		
1.25	86.16	3155.4	3143.3	3133.7	3.86	3.35	3.19	-18.7	-31.5	-48.5	0.39		
1.50	82.94	3177.1	3164.9	3155.2	3.82	3.35	3.28	-18.7	-31.4	-48.2	0.25		
1.75	82.52	3198.1	3185.6	3176.2	3.82	3.39	3.30	-18.7	-32.1	-48.7	0.11		
2.00	81.07	3218.6	3206.2	3196.9	3.84	3.38	3.30	-18.4	-32.4	-46.7	0.03		
2.25	79.42	3238.9	3226.5	3216.9	3.81	3.37	3.29	-18.2	-32.9	-48.3	0.14		
2.50	78.66	3259.0	3246.4	3236.6	3.82	3.35	3.25	-18.3	-33.1	-47.4	0.25		
2.75	79.08	3278.9	3266.0	3256.3	3.83	3.32	3.26	-18.2	-33.2	-47.7	0.37		
3.00	78.18	3298.7	3285.8	3275.7	3.82	3.29	3.30	-18.0	-33.3	-47.4	0.46		
3.25	77.85	3318.6	3305.3	3295.2	3.80	3.27	3.29	-17.9	-34.3	-46.7	0.51		
3.50	78.29	3338.2	3324.8	3314.8	3.80	3.25	3.26	-17.9	-33.8	-46.8	0.54		
3.75	77.19	3357.7	3344.4	3334.1	3.78	3.21	3.22	-17.8	-33.2	-47.6	0.54		
4.00	75.68	3377.1	3363.7	3353.2	3.73	3.20	3.20	-17.8	-32.4	-47.1	0.54		
4.25	74.14	3396.2	3382.6	3371.9	3.71	3.19	3.20	-17.7	-31.9	-46.9	0.53		
4.50	72.45	3414.7	3401.1	3390.8	3.68	3.14	3.19	-17.8	-31.6	-46.7	0.52		
4.75	69.55	3432.6	3419.2	3408.9	3.65	3.11	3.17	-17.8	-31.2	-47.2	0.49		
5.00	67.51	3449.9	3436.6	3426.3	3.61	3.07	3.15	-17.6	-30.9	-47.0	0.48		
5.25	65.14	3467.0	3453.5	3443.1	3.58	3.05	3.11	-17.6	-30.8	-46.9	0.48		
5.50	63.85	3483.3	3469.8	3459.4	3.58	3.03	3.10	-17.7	-30.4	-46.0	0.50		
5.75	61.65	3499.1	3485.7	3475.3	3.56	3.01	3.12	-17.6	-30.0	-46.8	0.50		
6.00	59.79	3514.5	3501.2	3490.6	3.57	3.02	3.15	-17.7	-30.4	-46.1	0.49		
6.25	58.47	3529.6	3516.1	3505.5	3.56	3.01	3.18	-17.7	-30.1	-46.2	0.47		
6.50	57.34	3544.3	3530.7	3520.1	3.55	3.05	3.19	-17.7	-30.2	-45.4	0.42		
6.75	56.80	3558.8	3545.1	3534.5	3.54	3.06	3.20	-17.5	-29.9	-45.6	0.35		
7.00	56.80	3573.0	3559.3	3548.4	3.57	3.08	3.18	-17.7	-30.7	-45.6	0.23		

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