

# Voltage Controlled Oscillator

# ROS-3250-319+

## 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	32.42	3016.5	3005.5	2998.0	5.48	5.52	5.43	-29.89	-48.75	-49.68	4.29	1	-72.2
0.50	29.85	3032.5	3021.7	3014.9	5.61	5.57	5.50	-29.12	-51.37	-49.48	4.16	10	-99.0
1.00	30.20	3048.2	3036.6	3029.5	5.58	5.65	5.52	-29.05	-49.53	-49.76	4.38	100	-120.2
1.50	26.25	3061.2	3051.7	3044.2	5.14	5.25	5.67	-27.96	-50.72	-47.97	4.18	1000	-140.3
2.00	28.22	3075.2	3064.8	3058.3	5.59	5.52	5.52	-27.78	-52.21	-47.54	4.21		
2.50	28.32	3089.5	3078.9	3071.4	5.74	5.74	5.39	-27.24	-55.18	-48.66	4.31		
3.00	28.30	3103.6	3093.1	3085.7	5.75	5.79	5.70	-26.93	-54.05	-45.98	4.20		
3.50	30.32	3118.7	3107.2	3099.7	5.81	5.92	5.77	-26.88	-51.63	-49.22	4.29		
4.00	27.30	3132.3	3122.4	3114.2	5.42	5.61	5.89	-26.26	-53.90	-47.43	4.28		
4.50	28.48	3146.4	3136.1	3129.1	5.81	5.78	5.85	-25.62	-56.52	-46.15	3.94		
5.00	30.39	3161.6	3150.3	3142.6	6.05	6.04	5.62	-25.78	-53.98	-48.34	4.21		
5.50	30.11	3176.7	3165.5	3157.2	6.00	6.08	5.96	-26.43	-52.46	-48.21	4.14		
6.00	31.37	3192.4	3180.6	3172.3	6.00	6.11	6.08	-26.07	-53.18	-46.61	4.19		
6.50	29.00	3207.0	3196.2	3187.5	5.78	5.93	6.10	-25.04	-50.31	-46.74	4.11		
7.00	30.78	3222.2	3210.7	3203.0	6.11	6.07	6.10	-25.04	-51.94	-47.18	3.92		
7.50	32.26	3238.6	3226.1	3217.5	6.26	6.29	5.95	-25.61	-51.50	-45.17	4.13		
8.00	31.48	3254.1	3242.3	3233.3	6.14	6.26	6.24	-25.32	-55.62	-44.41	4.10		
8.50	32.44	3270.2	3258.0	3249.3	6.17	6.27	6.31	-25.84	-51.59	-44.04	4.10		
9.00	30.87	3285.5	3274.2	3265.2	6.16	6.13	6.32	-25.25	-54.85	-42.26	3.83		
9.50	33.89	3302.3	3289.7	3281.0	6.47	6.40	6.28	-25.43	-54.40	-42.06	3.86		
10.00	33.68	3319.2	3306.6	3296.6	6.43	6.53	6.28	-26.10	-53.34	-41.32	4.08		
10.50	33.08	3335.8	3323.4	3313.6	6.43	6.45	6.56	-26.20	-50.94	-40.77	3.67		
11.00	32.53	3352.3	3340.0	3329.9	6.50	6.56	6.51	-25.80	-51.63	-40.18	3.72		
11.50	33.26	3369.0	3356.2	3346.5	6.70	6.58	6.61	-26.10	-53.00	-38.87	3.28		
12.00	33.26	3386.8	3372.9	3362.2	6.83	6.83	6.56	-27.65	-50.76	-39.35	3.48		

