

Voltage Controlled Oscillator

ROS-3127C+

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			
0.0	28.15	3050.33	3042.40	3038.01	2.87	2.50	1.55	-24.15	-52.46	-52.31	0.07	1	-84
0.3	26.47	3057.23	3049.44	3045.01	3.16	2.81	1.91	-23.75	-51.44	-52.94	0.15	10	-112
0.5	25.61	3063.79	3056.05	3051.55	3.41	3.09	2.21	-23.69	-50.63	-53.25	0.20	100	-133
0.8	25.27	3070.19	3062.46	3057.84	3.64	3.35	2.49	-23.89	-49.14	-54.21	0.24	1000	-153
1.0	25.27	3076.55	3068.78	3064.03	3.85	3.57	2.74	-24.26	-47.04	-54.94	0.28		
1.3	25.54	3082.91	3075.09	3070.22	4.06	3.77	2.94	-24.74	-46.34	-55.74	0.31		
1.5	25.90	3089.34	3081.48	3076.47	4.23	3.97	3.13	-25.16	-46.26	-54.56	0.36		
1.8	26.52	3095.89	3087.95	3082.83	4.36	4.13	3.31	-25.47	-43.66	-54.11	0.41		
2.0	27.23	3102.59	3094.58	3089.31	4.48	4.25	3.45	-25.59	-41.38	-53.68	0.48		
2.3	28.06	3109.47	3101.39	3096.00	4.60	4.33	3.54	-25.62	-40.69	-52.10	0.56		
2.5	29.17	3116.64	3108.41	3102.89	4.68	4.38	3.59	-25.84	-39.38	-50.22	0.65		
2.8	30.06	3124.00	3115.70	3109.98	4.77	4.38	3.64	-26.30	-36.27	-48.95	0.76		
3.0	30.73	3131.57	3123.21	3117.36	4.86	4.36	3.63	-26.90	-35.12	-49.03	0.80		
3.3	31.41	3139.30	3130.90	3125.00	4.95	4.33	3.59	-27.88	-34.45	-47.03	0.77		
3.5	31.37	3147.08	3138.75	3132.73	5.07	4.31	3.56	-28.89	-31.51	-46.39	0.64		
3.8	31.15	3154.91	3146.59	3140.62	5.14	4.33	3.54	-29.75	-31.23	-47.58	0.38		
4.0	31.07	3162.62	3154.38	3148.45	5.21	4.35	3.57	-30.85	-31.96	-47.82	0.06		
4.3	29.65	3170.05	3162.14	3156.15	5.23	4.34	3.58	-31.58	-29.82	-46.67	0.29		
4.5	28.09	3177.18	3169.56	3163.82	5.20	4.36	3.60	-32.08	-28.47	-48.56	0.69		
4.8	27.26	3184.10	3176.58	3171.00	5.08	4.34	3.64	-32.13	-29.26	-51.63	1.06		
5.0	25.48	3190.69	3183.40	3177.79	4.94	4.22	3.64	-31.88	-28.93	-51.85	1.37		
5.3	23.48	3196.85	3189.77	3184.27	4.80	4.12	3.57	-31.70	-27.40	-49.41	1.61		
5.5	21.93	3202.67	3195.64	3190.25	4.64	4.02	3.50	-30.99	-27.42	-47.35	1.77		
5.8	20.28	3208.07	3201.12	3195.75	4.49	3.88	3.43	-29.47	-28.35	-46.23	1.87		
6.0	18.20	3213.03	3206.19	3200.78	4.36	3.74	3.33	-28.17	-27.84	-44.53	1.85		
6.3	16.20	3217.54	3210.74	3205.36	4.24	3.64	3.23	-27.18	-27.21	-41.90	1.74		
6.5	14.50	3221.68	3214.79	3209.43	4.13	3.55	3.15	-26.30	-27.16	-41.12	1.58		
6.8	12.97	3225.37	3218.41	3213.02	4.04	3.46	3.09	-25.56	-27.81	-39.16	1.36		
7.0	12.97	3228.59	3221.66	3216.19	3.98	3.38	3.03	-25.00	-28.64	-38.85	1.09		

