

Voltage Controlled Oscillator

ROS-2805C-119+

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	37.78	2724.85	2715.70	2710.21	1.91	1.36	0.98	-21.21	-37.92	-49.50	0.46	1	-80
0.25	35.15	2733.93	2725.15	2719.93	1.98	1.42	1.05	-20.91	-37.92	-50.55	0.56	10	-108
0.50	33.49	2742.45	2733.93	2728.82	2.04	1.49	1.11	-20.99	-36.58	-50.61	0.63	100	-129
0.75	32.74	2750.76	2742.31	2737.29	2.09	1.55	1.16	-20.61	-36.34	-51.49	0.65	1000	-149
1.00	32.35	2758.86	2750.49	2745.47	2.14	1.60	1.22	-19.80	-35.74	-52.86	0.68		
1.25	31.99	2766.86	2758.58	2753.57	2.21	1.64	1.25	-19.52	-35.01	-52.26	0.69		
1.50	31.98	2774.83	2766.58	2761.58	2.30	1.70	1.30	-19.31	-34.69	-53.02	0.69		
1.75	32.16	2782.83	2774.57	2769.56	2.36	1.77	1.36	-19.37	-34.36	-53.73	0.70		
2.00	32.36	2790.90	2782.61	2777.57	2.42	1.83	1.42	-19.13	-34.04	-53.59	0.69		
2.25	32.59	2799.01	2790.70	2785.62	2.48	1.89	1.46	-18.61	-34.29	-53.17	0.68		
2.50	32.73	2807.20	2798.85	2793.72	2.53	1.95	1.51	-18.51	-34.59	-53.76	0.66		
2.75	32.78	2815.43	2807.03	2801.87	2.59	2.00	1.56	-18.53	-34.86	-53.35	0.62		
3.00	32.58	2823.64	2815.23	2810.03	2.63	2.04	1.60	-18.26	-34.89	-53.27	0.55		
3.25	32.05	2831.75	2823.37	2818.17	2.69	2.09	1.64	-18.13	-34.76	-53.08	0.46		
3.50	31.31	2839.78	2831.39	2826.19	2.73	2.14	1.69	-18.18	-35.13	-53.19	0.34		
3.75	30.47	2847.59	2839.21	2834.03	2.76	2.18	1.74	-18.01	-35.22	-53.68	0.22		
4.00	28.96	2855.07	2846.83	2841.64	2.81	2.20	1.77	-17.50	-34.94	-54.34	0.11		
4.25	27.45	2862.21	2854.07	2848.96	2.87	2.24	1.78	-17.33	-35.26	-53.83	0.01		
4.50	25.88	2868.97	2860.94	2855.87	2.92	2.29	1.83	-17.22	-35.63	-54.19	0.05		
4.75	24.20	2875.35	2867.40	2862.38	2.95	2.33	1.87	-17.23	-35.61	-54.03	0.06		
5.00	22.56	2881.42	2873.45	2868.48	2.98	2.36	1.90	-17.12	-35.51	-53.89	0.04		
5.25	21.13	2887.04	2879.10	2874.15	3.02	2.40	1.93	-17.07	-35.87	-54.73	0.02		
5.50	19.59	2892.26	2884.38	2879.42	3.04	2.43	1.97	-17.07	-36.26	-55.06	0.12		
5.75	18.13	2897.10	2889.28	2884.33	3.06	2.45	1.99	-17.00	-36.51	-54.56	0.23		
6.00	18.13	2901.59	2893.81	2888.89	3.07	2.47	2.01	-16.86	-36.71	-55.02	0.35		

