

Voltage Controlled Oscillator

ROS-3185C-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			
0.0	32.28	2812.37	2805.84	2800.14	-0.33	-0.68	-1.29	-20.68	-24.65	-35.62	0.31	1	-77
0.5	28.52	2828.02	2821.98	2816.82	-0.33	-0.67	-1.28	-20.05	-24.97	-35.34	0.41	10	-103
1.0	26.26	2841.87	2836.24	2831.30	-0.28	-0.65	-1.25	-19.97	-25.77	-36.08	0.46	100	-124
1.5	25.28	2854.86	2849.37	2844.46	-0.17	-0.55	-1.16	-20.00	-25.75	-36.33	0.49	1000	-144
2.0	24.87	2867.46	2862.01	2857.17	-0.08	-0.47	-1.08	-19.34	-26.35	-36.95	0.51		
2.5	25.17	2879.99	2874.45	2869.61	-0.01	-0.36	-0.98	-19.20	-27.72	-36.49	0.53		
3.0	25.16	2892.59	2887.03	2882.01	0.05	-0.32	-0.90	-19.11	-27.21	-38.85	0.56		
3.5	25.39	2905.22	2899.61	2894.63	0.06	-0.28	-0.86	-18.86	-28.32	-39.22	0.58		
4.0	25.74	2917.97	2912.30	2907.27	0.03	-0.25	-0.84	-18.69	-28.21	-39.70	0.59		
4.5	25.80	2930.78	2925.17	2920.02	0.03	-0.30	-0.87	-18.17	-29.52	-40.13	0.61		
5.0	26.33	2943.73	2938.07	2932.93	0.07	-0.26	-0.85	-18.27	-29.81	-40.14	0.62		
5.5	26.70	2956.95	2951.23	2945.98	0.15	-0.22	-0.81	-18.55	-29.45	-40.13	0.64		
6.0	27.40	2970.36	2964.58	2959.29	0.24	-0.11	-0.73	-17.83	-30.45	-40.82	0.64		
6.5	28.02	2984.26	2978.28	2972.82	0.27	-0.06	-0.63	-17.65	-29.53	-40.56	0.67		
7.0	28.43	2998.23	2992.30	2986.78	0.34	0.00	-0.60	-17.61	-30.85	-42.41	0.67		
7.5	29.50	3012.62	3006.51	3000.95	0.31	0.05	-0.54	-17.64	-30.62	-42.59	0.68		
8.0	29.61	3027.34	3021.26	3015.42	0.36	0.03	-0.55	-17.31	-30.66	-42.49	0.71		
8.5	30.38	3042.18	3036.06	3030.34	0.38	0.09	-0.51	-17.22	-31.80	-46.01	0.71		
9.0	31.07	3057.59	3051.25	3045.36	0.41	0.09	-0.48	-17.46	-31.62	-45.33	0.74		
9.5	31.62	3073.03	3066.79	3060.85	0.46	0.17	-0.45	-17.00	-30.98	-44.81	0.73		
10.0	32.07	3088.99	3082.60	3076.49	0.50	0.19	-0.39	-16.56	-32.26	-46.35	0.76		
10.5	33.14	3105.06	3098.63	3092.57	0.51	0.22	-0.37	-16.95	-32.93	-45.80	0.76		
11.0	33.21	3121.76	3115.21	3108.80	0.54	0.21	-0.34	-16.87	-31.46	-44.49	0.80		
11.5	33.78	3138.35	3131.81	3125.55	0.51	0.26	-0.33	-16.12	-31.49	-46.19	0.77		
12.0	33.55	3155.48	3148.70	3142.15	0.44	0.16	-0.35	-16.17	-31.18	-46.22	0.81		
12.5	33.39	3172.00	3165.47	3159.11	0.47	0.16	-0.45	-15.72	-32.46	-46.71	0.74		
13.0	33.73	3189.20	3182.17	3175.56	0.47	0.14	-0.39	-15.66	-32.06	-46.99	0.75		
13.5	32.14	3205.67	3199.03	3192.25	0.57	0.24	-0.37	-15.81	-32.74	-46.42	0.65		
14.0	31.09	3222.13	3215.10	3208.15	0.55	0.26	-0.25	-16.10	-33.16	-45.30	0.64		
14.5	29.36	3237.60	3230.65	3223.65	0.51	0.26	-0.27	-15.83	-34.28	-43.47	0.55		
15.0	27.37	3252.61	3245.33	3238.03	0.39	0.14	-0.29	-15.84	-33.74	-42.77	0.55		
15.5	23.85	3265.84	3259.01	3251.75	0.35	0.09	-0.44	-16.07	-34.54	-42.27	0.47		
16.0	22.04	3278.21	3270.94	3263.82	0.27	0.03	-0.42	-15.94	-34.87	-41.85	0.50		
16.5	19.59	3289.28	3281.96	3274.44	0.29	-0.03	-0.50	-16.02	-34.67	-40.66	0.55		
17.0	16.08	3298.61	3291.75	3284.06	0.35	-0.02	-0.52	-16.05	-34.63	-39.60	0.59		
17.5	15.16	3307.45	3299.79	3292.53	0.27	0.08	-0.50	-15.95	-35.24	-40.26	0.60		
18.0	15.16	3315.29	3307.37	3299.80	0.24	0.01	-0.41	-16.25	-36.02	-39.74	0.74		

