

Voltage Controlled Oscillator

ROS-3100C+

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	58.40	2800.1	2787.3	2780.2	-1.35	-1.49	-1.85	-26.48	-44.87	-36.94	1.72	1	-77.7
0.50	47.73	2828.1	2816.5	2810.3	-0.63	-0.80	-1.20	-30.66	-51.82	-36.71	1.02	10	-104.9
1.00	42.51	2851.5	2840.4	2834.4	-0.20	-0.27	-0.65	-34.52	-57.66	-35.83	0.79	100	-126.6
1.50	39.41	2872.5	2861.6	2855.8	0.02	0.06	-0.26	-34.90	-53.00	-35.16	0.67	1000	-146.3
2.00	37.25	2892.1	2881.3	2875.5	0.26	0.24	-0.09	-42.31	-49.30	-34.58	0.60		
2.50	35.57	2910.5	2899.9	2894.1	0.63	0.44	0.05	-50.24	-46.06	-34.09	0.55		
3.00	34.33	2928.2	2917.7	2911.9	0.95	0.77	0.31	-51.85	-45.52	-34.15	0.51		
3.50	33.39	2945.3	2934.9	2929.1	1.12	1.00	0.54	-54.40	-43.68	-33.68	0.47		
4.00	32.66	2962.0	2951.6	2945.8	1.20	1.11	0.69	-54.18	-42.52	-33.19	0.44		
4.50	32.05	2978.3	2967.9	2962.1	1.25	1.15	0.72	-50.42	-41.41	-32.93	0.40		
5.00	31.43	2994.2	2983.9	2978.1	1.29	1.15	0.71	-47.75	-40.31	-33.29	0.36		
5.50	30.86	3009.8	2999.7	2993.9	1.39	1.18	0.68	-55.81	-39.77	-34.30	0.33		
6.00	30.44	3025.2	3015.1	3009.4	1.55	1.23	0.69	-53.03	-38.45	-35.59	0.29		
6.50	30.09	3040.3	3030.3	3024.7	1.67	1.35	0.77	-59.62	-37.66	-37.06	0.25		
7.00	29.80	3055.3	3045.3	3039.7	1.70	1.42	0.84	-55.40	-36.96	-39.50	0.22		
7.50	29.50	3070.1	3060.2	3054.7	1.65	1.43	0.84	-58.56	-37.43	-43.17	0.18		
8.00	29.31	3084.9	3075.0	3069.5	1.55	1.35	0.78	-57.71	-37.19	-48.15	0.15		
8.50	28.97	3099.4	3089.7	3084.2	1.44	1.24	0.64	-50.06	-36.33	-53.92	0.11		
9.00	28.60	3113.7	3104.1	3098.7	1.39	1.08	0.47	-45.79	-36.96	-48.01	0.08		
9.50	28.12	3127.9	3118.4	3113.1	1.46	1.02	0.34	-48.45	-36.45	-44.27	0.06		
10.00	27.74	3141.9	3132.5	3127.3	1.54	1.06	0.30	-43.62	-36.53	-42.09	0.05		
10.50	27.43	3155.8	3146.4	3141.3	1.53	1.10	0.32	-41.75	-36.92	-40.85	0.05		
11.00	26.86	3169.4	3160.1	3155.0	1.40	1.05	0.28	-43.25	-36.26	-40.01	0.05		
11.50	26.07	3182.8	3173.5	3168.5	1.23	0.92	0.15	-40.60	-36.10	-40.06	0.07		
12.00	24.96	3195.7	3186.5	3181.7	1.11	0.73	-0.03	-40.35	-35.55	-39.00	0.11		
12.50	23.59	3208.1	3199.0	3194.2	1.07	0.62	-0.20	-39.33	-35.37	-39.18	0.15		
13.00	22.06	3219.8	3210.8	3206.1	1.05	0.54	-0.32	-38.34	-35.57	-38.37	0.21		
13.50	20.26	3230.8	3221.8	3217.3	1.06	0.49	-0.42	-38.36	-35.61	-38.24	0.25		
14.00	20.26	3240.9	3232.0	3227.5	1.08	0.48	-0.49	-38.33	-36.12	-38.61	0.27		

