

# Voltage Controlled Oscillator

# ROS-3200C-719+

## 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	12.02	3044.8	3040.9	3037.2	4.37	3.79	3.23	-15.9	-54.2	-41.6	0.71	1	-85
0.5	10.12	3050.6	3046.9	3043.5	4.51	3.95	3.40	-15.9	-54.1	-40.9	0.78	10	-113
1.0	9.18	3055.5	3052.0	3048.6	4.62	4.07	3.53	-16.0	-53.5	-40.6	0.83	100	-132
1.5	8.63	3060.1	3056.6	3053.2	4.71	4.18	3.65	-16.1	-54.0	-39.9	0.87	1000	-153
2.0	8.31	3064.3	3060.9	3057.5	4.79	4.28	3.74	-16.1	-54.5	-39.6	0.89		
2.5	8.13	3068.4	3065.0	3061.6	4.85	4.35	3.83	-16.1	-54.5	-39.4	0.92		
3.0	8.04	3072.5	3069.1	3065.7	4.90	4.41	3.90	-16.0	-54.3	-39.1	0.94		
3.5	8.02	3076.5	3073.1	3069.7	4.94	4.46	3.96	-15.9	-54.7	-38.9	0.95		
4.0	8.05	3080.5	3077.1	3073.7	5.00	4.51	4.00	-15.9	-54.6	-38.4	0.98		
4.5	8.10	3084.5	3081.2	3077.7	5.05	4.57	4.06	-15.9	-55.1	-38.4	0.99		
5.0	8.20	3088.5	3085.2	3081.7	5.09	4.62	4.11	-15.9	-54.8	-38.3	1.01		
5.5	8.35	3092.6	3089.3	3085.8	5.12	4.67	4.16	-16.0	-54.8	-38.3	1.03		
6.0	8.52	3096.8	3093.5	3089.9	5.15	4.71	4.20	-16.0	-54.3	-37.9	1.04		
6.5	8.73	3101.0	3097.7	3094.2	5.16	4.73	4.23	-15.9	-54.1	-37.6	1.06		
7.0	8.97	3105.4	3102.1	3098.5	5.18	4.76	4.26	-15.8	-55.3	-37.4	1.07		
7.5	9.26	3109.9	3106.6	3103.0	5.17	4.78	4.28	-15.7	-55.2	-37.4	1.09		
8.0	9.58	3114.6	3111.2	3107.6	5.15	4.77	4.29	-15.6	-54.3	-37.1	1.11		
8.5	9.93	3119.4	3116.0	3112.3	5.13	4.76	4.29	-15.5	-53.8	-37.1	1.13		
9.0	10.26	3124.4	3121.0	3117.3	5.11	4.74	4.27	-15.3	-54.2	-37.1	1.15		
9.5	10.60	3129.5	3126.1	3122.4	5.09	4.72	4.25	-15.3	-54.5	-36.7	1.16		
10.0	10.95	3134.9	3131.4	3127.7	5.08	4.69	4.23	-15.2	-54.5	-36.7	1.17		
10.5	11.34	3140.4	3136.9	3133.2	5.09	4.67	4.20	-15.0	-53.8	-37.1	1.18		
11.0	11.71	3146.1	3142.6	3138.8	5.11	4.67	4.19	-14.9	-54.5	-37.0	1.19		
11.5	12.06	3151.9	3148.4	3144.7	5.16	4.70	4.20	-14.7	-54.9	-37.2	1.19		
12.0	12.51	3158.0	3154.4	3150.7	5.18	4.74	4.24	-14.5	-54.0	-37.5	1.20		
12.5	12.85	3164.3	3160.7	3157.0	5.17	4.75	4.28	-14.4	-54.8	-37.6	1.20		
13.0	13.06	3170.8	3167.1	3163.4	5.17	4.76	4.31	-14.4	-55.6	-37.9	1.17		
13.5	13.18	3177.4	3173.7	3169.9	5.17	4.78	4.34	-14.4	-55.1	-38.1	1.13		
14.0	13.17	3184.1	3180.2	3176.5	5.16	4.80	4.38	-14.2	-55.1	-38.1	1.06		
14.5	13.24	3190.8	3186.8	3183.2	5.16	4.84	4.41	-13.9	-55.6	-38.3	1.00		
15.0	13.03	3197.6	3193.4	3189.7	5.16	4.84	4.44	-13.7	-53.9	-37.8	0.95		
15.5	12.55	3204.2	3200.0	3196.3	5.18	4.87	4.46	-13.7	-54.4	-37.9	0.86		
16.5	11.43	3216.6	3212.2	3208.6	5.24	4.96	4.51	-13.7	-53.5	-37.6	0.73		
17.0	10.80	3222.5	3217.9	3214.3	5.24	4.97	4.54	-13.5	-52.7	-37.5	0.71		
18.0	9.29	3233.0	3228.4	3224.7	5.26	4.96	4.55	-13.4	-52.8	-37.7	0.68		
18.5	8.54	3237.8	3233.0	3229.4	5.28	4.96	4.55	-13.3	-52.5	-37.5	0.69		
19.5	7.13	3246.1	3241.2	3237.6	5.30	4.96	4.54	-13.1	-52.0	-37.8	0.74		
20.0	7.13	3249.7	3244.8	3241.2	5.31	4.96	4.53	-13.0	-51.9	-37.5	0.78		

