

# Voltage Controlled Oscillator

# ROS-824-119+

## 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	53.29	432.4	422.6	413.5	5.08	4.19	3.07	-19.8	-41.3	-45.4	0.89	1	-79
0.5	37.51	457.5	449.3	440.3	6.50	6.18	5.40	-20.4	-41.8	-46.1	0.16	10	-99
1.0	41.79	475.5	468.0	463.1	7.17	7.22	6.37	-21.6	-44.1	-49.2	0.55	100	-120
1.5	39.16	496.0	488.9	484.8	6.89	7.16	6.72	-23.7	-48.9	-52.1	1.25	1000	-140
2.0	34.61	515.4	508.5	503.9	6.94	7.27	7.04	-24.8	-54.3	-55.4	0.85		
2.5	31.85	532.4	525.8	520.8	7.11	7.48	7.35	-25.6	-54.4	-57.4	0.58		
3.0	30.30	548.2	541.7	536.4	7.28	7.68	7.60	-26.2	-52.8	-60.8	0.46		
3.5	29.22	563.5	556.9	551.3	7.45	7.87	7.81	-26.5	-51.2	-60.1	0.34		
4.0	28.17	578.2	571.5	565.5	7.63	8.04	7.99	-26.9	-50.2	-60.9	0.18		
4.5	27.07	592.3	585.6	579.2	7.82	8.21	8.15	-27.3	-49.9	-61.2	0.01		
5.0	26.41	605.9	599.1	592.5	8.01	8.39	8.30	-27.6	-49.4	-62.1	0.14		
5.5	26.04	619.3	612.3	605.6	8.19	8.56	8.44	-28.0	-48.7	-61.3	0.28		
6.0	25.98	632.3	625.3	618.6	8.37	8.72	8.58	-28.3	-49.0	-61.5	0.41		
6.5	26.02	645.3	638.3	631.4	8.51	8.87	8.73	-28.7	-49.8	-62.4	0.53		
7.0	26.17	658.2	651.3	644.3	8.61	9.00	8.85	-29.0	-50.7	-59.7	0.63		
7.5	26.56	671.4	664.4	657.4	8.67	9.09	8.94	-29.4	-50.8	-58.1	0.72		
8.0	26.90	684.7	677.7	670.6	8.73	9.15	8.99	-29.7	-51.4	-56.9	0.80		
8.5	27.02	698.1	691.2	684.0	8.79	9.20	9.03	-30.3	-51.3	-55.6	0.89		
9.0	26.95	711.6	704.7	697.5	8.83	9.23	9.05	-31.1	-51.9	-56.0	0.96		
9.5	26.90	725.1	718.1	711.0	8.84	9.24	9.06	-31.7	-53.6	-58.4	1.03		
10.0	26.94	738.5	731.6	724.7	8.82	9.23	9.03	-32.5	-54.0	-55.8	1.10		
10.5	26.50	751.8	745.1	738.3	8.77	9.19	9.00	-33.2	-54.6	-56.5	1.16		
11.0	25.96	764.8	758.3	751.6	8.71	9.13	8.94	-34.0	-54.0	-58.0	1.20		
11.5	25.12	777.7	771.3	764.7	8.63	9.07	8.86	-34.9	-54.4	-59.0	1.23		
12.0	24.26	790.2	783.9	777.6	8.57	9.00	8.77	-35.2	-54.4	-56.7	1.27		
12.5	23.48	802.1	796.0	790.0	8.50	8.93	8.69	-35.3	-56.0	-59.4	1.31		
13.0	22.25	813.5	807.7	801.7	8.42	8.84	8.60	-35.1	-54.3	-58.4	1.35		
13.5	21.02	824.3	818.8	812.9	8.32	8.76	8.51	-34.6	-53.3	-58.9	1.36		
14.0	20.02	834.8	829.4	823.6	8.23	8.67	8.40	-33.8	-52.2	-58.6	1.38		
14.5	19.10	844.8	839.4	833.9	8.15	8.58	8.28	-32.9	-51.8	-57.0	1.41		
15.0	18.19	854.2	848.9	843.7	8.08	8.50	8.18	-32.4	-51.0	-58.3	1.42		
15.5	17.54	863.1	858.0	852.9	8.01	8.41	8.09	-32.0	-50.1	-58.3	1.44		
16.0	16.66	871.5	866.8	861.7	7.93	8.33	8.01	-31.5	-49.4	-55.7	1.45		

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