

# Voltage Controlled Oscillator

ROS-625-119+

## 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	44.97	320.1	316.1	311.9	7.66	6.14	5.40	-25.3	-13.0	-20.2	0.09	1	-76
0.5	34.64	341.6	338.5	336.2	7.92	6.36	5.53	-19.7	-13.2	-21.1	0.19	10	-103
1.0	29.72	358.6	355.9	354.1	8.02	6.47	5.53	-16.6	-13.7	-23.1	0.22	100	-124
1.5	26.98	373.2	370.7	369.2	8.07	6.52	5.53	-14.9	-14.1	-26.2	0.23	1000	-144
2.0	25.31	386.3	384.2	382.8	8.12	6.57	5.57	-14.3	-14.9	-31.3	0.23		
2.5	24.32	398.5	396.9	395.5	8.13	6.62	5.64	-13.7	-15.6	-35.7	0.21		
3.0	23.81	410.4	409.0	407.6	8.07	6.64	5.68	-13.2	-16.4	-30.0	0.19		
3.5	23.70	422.3	420.9	419.4	7.94	6.63	5.70	-13.0	-17.4	-25.9	0.15		
4.0	23.90	434.3	432.8	431.1	7.72	6.56	5.67	-12.7	-18.7	-23.3	0.11		
4.5	24.19	446.6	444.7	442.9	7.46	6.47	5.62	-12.5	-20.1	-21.7	0.07		
5.0	24.66	459.1	456.8	454.8	7.18	6.36	5.57	-12.7	-22.0	-21.0	0.03		
5.5	25.13	471.8	469.2	466.9	6.92	6.26	5.51	-12.5	-24.2	-20.9	0.02		
6.0	25.83	484.8	481.7	479.3	6.69	6.18	5.46	-12.2	-26.1	-21.1	0.06		
6.5	26.56	498.1	494.6	491.9	6.49	6.09	5.43	-12.4	-27.1	-22.2	0.09		
7.0	27.29	511.7	507.9	505.0	6.35	6.04	5.41	-12.7	-25.6	-23.5	0.12		
7.5	27.76	525.6	521.6	518.4	6.23	5.98	5.40	-12.9	-23.6	-25.2	0.14		
8.0	27.83	539.7	535.4	532.1	6.12	5.91	5.37	-13.3	-21.8	-27.1	0.15		
8.5	28.00	553.8	549.3	545.8	5.99	5.83	5.33	-13.8	-20.2	-28.7	0.17		
9.0	27.83	568.0	563.3	559.7	5.87	5.74	5.28	-14.2	-19.0	-29.2	0.20		
9.5	27.36	582.0	577.3	573.4	5.77	5.65	5.22	-15.1	-17.8	-28.8	0.23		
10.0	26.42	595.8	590.9	587.0	5.67	5.58	5.18	-15.7	-16.9	-27.6	0.26		
10.5	25.27	609.1	604.2	600.1	5.61	5.54	5.16	-16.6	-16.4	-26.7	0.28		
11.0	24.40	621.8	616.8	612.7	5.54	5.51	5.16	-17.6	-16.0	-25.7	0.30		
11.5	23.44	634.1	629.0	624.7	5.45	5.47	5.17	-18.8	-15.9	-25.2	0.31		
12.0	22.44	646.0	640.7	636.3	5.33	5.40	5.16	-19.8	-15.7	-24.5	0.32		
12.5	21.34	657.4	651.9	647.3	5.20	5.33	5.13	-21.0	-15.8	-24.0	0.32		
13.0	20.05	668.1	662.6	657.9	5.10	5.26	5.08	-22.1	-16.3	-23.7	0.31		
13.5	18.86	678.2	672.6	667.8	5.03	5.21	5.05	-23.2	-16.6	-23.4	0.30		
14.0	17.90	687.8	682.1	677.1	4.98	5.18	5.03	-24.2	-17.1	-23.4	0.28		
14.5	16.99	696.9	691.0	685.9	4.94	5.16	5.02	-25.2	-17.6	-23.2	0.26		
15.0	16.14	705.5	699.5	694.3	4.93	5.15	5.02	-26.0	-18.3	-23.2	0.23		
15.5	15.34	713.7	707.6	702.2	4.92	5.15	5.02	-26.6	-19.1	-23.4	0.21		
16.0	14.59	721.4	715.2	709.8	4.92	5.16	5.03	-26.7	-19.7	-23.3	0.18		
16.5	13.88	728.8	722.5	717.0	4.92	5.16	5.04	-26.4	-20.5	-23.3	0.16		
17.0	13.19	735.7	729.5	723.8	4.93	5.17	5.04	-26.0	-21.3	-23.5	0.14		
17.5	12.58	742.4	736.1	730.4	4.92	5.17	5.05	-25.6	-22.1	-23.7	0.13		
18.0	12.10	748.8	742.4	736.6	4.91	5.17	5.05	-25.1	-22.8	-23.6	0.11		
18.5	11.69	755.0	748.4	742.6	4.89	5.15	5.04	-24.6	-23.4	-23.6	0.09		
19.5	10.94	766.6	759.9	753.8	4.87	5.12	5.01	-23.6	-24.6	-24.0	0.06		
20.0	10.94	772.2	765.4	759.2	4.86	5.11	4.99	-23.1	-25.1	-24.0	0.05		

