

# Voltage Controlled Oscillator

# ROS-386-119+

## 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			
0.00	12.45	243.9	243.3	243.4	7.96	7.73	7.29	-12.53	-33.83	-48.69	0.07	1	-91
0.01	12.43	244.0	243.5	243.5	7.97	7.74	7.30	-12.53	-33.80	-48.66	0.08	10	-118
0.10	12.22	245.1	244.6	244.6	8.03	7.80	7.37	-12.59	-33.52	-48.40	0.13	100	-139
1.50	9.45	260.9	260.2	259.9	8.41	8.25	7.95	-14.35	-32.00	-45.52	0.23	1000	-160
2.00	9.17	265.8	265.0	264.5	8.48	8.33	8.05	-15.02	-32.31	-44.66	0.20		
2.50	9.09	270.5	269.5	269.0	8.56	8.41	8.15	-15.74	-32.21	-44.30	0.19		
3.00	9.14	275.1	274.1	273.5	8.65	8.49	8.25	-16.49	-32.15	-43.52	0.17		
3.50	9.29	279.8	278.7	278.0	8.74	8.58	8.35	-17.05	-32.61	-42.63	0.16		
4.00	9.50	284.5	283.3	282.5	8.84	8.67	8.46	-17.32	-32.48	-42.17	0.15		
4.50	9.76	289.4	288.1	287.2	8.94	8.77	8.57	-17.72	-32.29	-41.57	0.14		
5.00	10.05	294.3	292.9	292.0	9.05	8.86	8.67	-18.53	-32.66	-41.06	0.15		
5.50	10.32	299.4	298.0	297.0	9.16	8.95	8.78	-19.30	-32.58	-40.49	0.15		
6.00	10.56	304.5	303.1	302.1	9.27	9.05	8.89	-19.66	-32.29	-40.11	0.17		
6.50	10.77	309.8	308.4	307.3	9.39	9.15	9.01	-20.02	-32.50	-39.61	0.19		
7.00	10.94	315.1	313.8	312.7	9.51	9.27	9.13	-20.81	-32.43	-39.38	0.21		
7.50	11.06	320.6	319.3	318.1	9.63	9.39	9.26	-21.52	-32.72	-39.33	0.23		
8.00	11.15	326.0	324.8	323.7	9.75	9.52	9.40	-21.76	-32.62	-39.19	0.26		
8.50	11.18	331.6	330.4	329.2	9.84	9.63	9.51	-22.07	-32.64	-38.95	0.29		
9.00	11.17	337.1	336.0	334.8	9.92	9.74	9.61	-22.75	-32.62	-38.96	0.32		
9.50	11.11	342.7	341.5	340.5	9.98	9.82	9.68	-23.22	-32.31	-39.02	0.35		
10.00	11.02	348.2	347.1	346.1	10.01	9.88	9.72	-23.39	-32.46	-39.01	0.38		
10.50	10.90	353.7	352.6	351.7	10.01	9.90	9.71	-23.63	-32.17	-39.19	0.43		
11.00	10.77	359.1	358.0	357.2	9.97	9.87	9.66	-23.93	-32.07	-38.97	0.50		
11.50	10.62	364.4	363.4	362.7	9.89	9.79	9.56	-24.08	-31.99	-38.55	0.59		
12.00	10.42	369.6	368.7	368.0	9.78	9.65	9.43	-24.28	-31.35	-37.61	0.68		
12.50	10.16	374.7	374.0	373.2	9.64	9.47	9.27	-24.65	-31.26	-37.02	0.73		
13.00	9.85	379.8	379.0	378.3	9.46	9.26	9.08	-24.90	-31.22	-36.01	0.77		
13.50	9.52	384.6	384.0	383.2	9.25	9.03	8.87	-24.75	-31.10	-35.52	0.79		
14.00	9.18	389.4	388.7	388.0	9.02	8.79	8.65	-24.53	-31.10	-34.83	0.80		
14.50	8.83	394.0	393.3	392.5	8.77	8.54	8.41	-24.60	-30.96	-34.55	0.80		
15.00	8.47	398.4	397.7	396.9	8.48	8.27	8.17	-24.72	-30.87	-34.03	0.80		
15.50	8.11	402.7	402.0	401.1	8.19	8.00	7.91	-24.54	-30.77	-33.62	0.80		
16.00	7.75	406.8	406.0	405.1	7.89	7.73	7.66	-24.19	-30.51	-33.28	0.79		
16.50	7.40	410.7	409.9	409.0	7.58	7.45	7.40	-23.93	-30.20	-32.87	0.77		
17.00	7.05	414.4	413.6	412.6	7.27	7.17	7.13	-23.95	-30.07	-32.54	0.75		
17.50	6.71	418.0	417.1	416.1	6.97	6.89	6.87	-23.93	-29.89	-32.14	0.73		
18.00	6.71	421.4	420.5	419.4	6.67	6.61	6.60	-23.77	-29.57	-31.96	0.70		

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