

# Voltage Controlled Oscillator

# ROS-400-1119+

## 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	14.72	164.7	161.6	159.2	2.92	3.08	2.38	-20.4	-34.3	-40.2	0.38	1	-77
0.5	12.54	171.8	169.0	167.0	4.41	5.03	4.80	-22.5	-35.6	-41.1	0.26	10	-101
1.0	10.88	177.8	175.2	173.3	4.94	5.79	5.76	-25.9	-38.5	-42.4	0.26	100	-122
1.5	10.37	183.4	180.7	178.8	5.31	6.23	6.24	-29.7	-40.7	-43.4	0.00	1000	-144
2.0	10.88	188.5	185.9	184.3	5.60	6.49	6.52	-34.3	-42.5	-43.5	0.26		
2.5	10.50	193.6	191.3	189.4	5.65	6.67	6.78	-38.0	-44.4	-43.7	0.26		
3.0	9.86	199.0	196.5	194.3	5.74	6.90	7.02	-38.7	-44.6	-44.7	0.26		
3.5	9.60	204.5	201.5	199.2	6.10	7.17	7.22	-36.3	-44.3	-44.7	0.13		
4.0	11.01	209.8	206.3	204.5	6.47	7.38	7.36	-32.9	-43.3	-43.3	0.13		
4.5	12.03	214.9	211.8	210.0	6.61	7.48	7.48	-31.1	-42.5	-41.3	0.38		
5.0	12.29	220.7	217.8	215.8	6.64	7.53	7.59	-29.9	-43.0	-41.1	0.13		
5.5	13.18	227.0	223.9	221.9	6.63	7.54	7.69	-28.7	-42.5	-41.1	0.26		
6.0	14.72	233.3	230.5	228.6	6.42	7.53	7.78	-28.5	-41.6	-41.1	0.38		
6.5	14.85	240.4	237.9	235.5	6.33	7.65	7.86	-29.5	-40.4	-41.3	0.38		
7.0	14.21	248.3	245.3	242.4	6.51	7.82	7.85	-30.1	-39.6	-42.6	0.13		
7.5	14.85	255.7	252.4	249.7	6.69	7.87	7.76	-30.3	-39.7	-42.7	0.00		
8.0	16.90	262.9	259.8	257.7	6.65	7.76	7.78	-30.8	-39.1	-40.9	0.90		
8.5	15.49	271.5	268.3	265.3	6.66	7.83	7.79	-31.9	-39.4	-40.2	0.90		
9.0	14.21	279.6	276.0	272.5	6.62	7.74	7.66	-31.5	-41.3	-40.8	0.38		
9.5	13.70	286.8	283.1	279.7	6.31	7.47	7.47	-32.3	-41.1	-41.5	0.13		
10.0	15.87	293.1	290.0	287.5	5.63	7.07	7.33	-33.8	-37.3	-41.4	0.64		
10.5	16.26	301.0	297.9	295.7	5.46	6.95	7.30	-42.0	-35.7	-39.4	1.28		
11.0	15.74	309.0	306.0	303.8	5.49	7.01	7.29	-46.1	-36.2	-37.6	0.64		
11.5	14.85	316.7	313.9	311.4	5.56	7.01	7.24	-39.9	-36.8	-36.7	0.26		
12.0	14.08	324.1	321.3	318.7	5.50	6.93	7.13	-37.8	-37.3	-36.7	0.13		
12.5	13.57	331.1	328.4	325.6	5.19	6.72	6.92	-38.2	-37.6	-36.9	0.38		
13.0	15.10	337.8	335.2	332.5	4.73	6.34	6.62	-38.6	-36.7	-37.3	0.13		
13.5	16.26	346.0	342.7	340.1	4.65	6.06	6.41	-35.6	-36.3	-37.1	1.28		
14.0	15.87	354.4	350.8	348.1	4.75	6.01	6.32	-32.9	-37.2	-35.6	1.28		
14.5	14.85	362.4	358.8	355.8	4.75	5.96	6.24	-31.2	-38.5	-33.8	1.02		
15.5	13.31	376.7	373.2	370.4	4.34	5.64	5.91	-30.1	-41.5	-32.0	0.51		
16.0	12.42	383.1	379.8	377.0	3.98	5.37	5.64	-31.1	-42.7	-31.5	0.38		
17.0	10.88	394.6	391.6	388.7	2.84	4.46	4.81	-35.5	-42.8	-31.7	0.00		
17.5	11.52	400.2	397.0	394.4	2.21	3.85	4.36	-33.7	-40.9	-32.1	1.02		
18.5	10.88	412.0	408.4	405.9	2.03	3.47	4.06	-28.7	-39.2	-36.3	1.66		
19.0	10.11	417.4	413.9	411.2	2.08	3.51	4.07	-28.0	-39.3	-38.1	1.54		
20.0	8.83	427.3	423.6	420.8	2.13	3.54	4.05	-27.0	-39.5	-39.6	1.02		
20.5	8.32	431.6	428.0	425.2	2.10	3.52	4.01	-26.2	-39.8	-39.4	1.02		
21.5	7.42	439.7	436.1	433.2	2.02	3.45	3.90	-25.6	-40.1	-38.6	0.77		
22.0	7.42	443.5	439.8	436.9	1.96	3.39	3.83	-25.7	-40.3	-38.5	0.77		

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