

# Voltage Controlled Oscillator

ROS-148-119+

## 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	14.00	118.2	115.7	113.9	4.00	4.01	3.86	-12.38	-29.44	-34.33	1.81	1	-84
0.25	12.51	121.4	119.2	117.7	3.92	3.88	3.75	-13.68	-28.67	-35.57	1.86	10	-110
0.50	11.60	124.3	122.3	121.0	3.85	3.78	3.64	-14.74	-28.09	-36.30	1.85	100	-132
0.75	10.86	127.0	125.2	124.0	3.79	3.70	3.55	-15.57	-27.90	-37.09	1.68	1000	-153
1.00	10.03	129.6	128.0	126.7	3.73	3.64	3.47	-16.23	-28.07	-37.56	1.41		
1.25	9.19	132.1	130.5	129.2	3.68	3.60	3.41	-16.83	-28.28	-37.80	1.08		
1.50	8.65	134.3	132.8	131.5	3.65	3.58	3.39	-17.36	-28.41	-38.05	0.94		
1.75	8.18	136.5	134.9	133.7	3.63	3.56	3.36	-17.89	-28.48	-38.44	0.97		
2.00	7.77	138.5	137.0	135.8	3.60	3.55	3.35	-18.34	-28.57	-38.85	1.06		
2.25	7.40	140.4	138.9	137.7	3.58	3.53	3.33	-18.74	-28.82	-39.00	1.17		
2.50	7.06	142.2	140.8	139.6	3.54	3.51	3.32	-19.10	-29.06	-38.83	1.28		
2.75	6.71	143.9	142.5	141.5	3.51	3.50	3.32	-19.49	-29.39	-38.72	1.39		
3.00	6.36	145.5	144.2	143.2	3.48	3.49	3.31	-19.89	-29.56	-38.74	1.50		
3.25	6.02	147.1	145.8	144.8	3.45	3.47	3.30	-20.28	-29.65	-38.87	1.60		
3.50	5.69	148.6	147.3	146.4	3.43	3.46	3.30	-20.70	-29.71	-39.10	1.68		
3.75	5.36	150.0	148.7	147.9	3.41	3.45	3.30	-21.11	-29.73	-39.20	1.76		
3.90	5.17	150.8	149.5	148.7	3.40	3.44	3.29	-21.36	-29.73	-39.17	1.80		
4.25	4.74	152.7	151.3	150.5	3.39	3.43	3.29	-21.95	-29.79	-39.01	1.88		
4.50	4.41	153.9	152.5	151.7	3.39	3.42	3.28	-22.34	-29.89	-38.83	1.90		
4.75	4.04	155.1	153.6	152.8	3.39	3.41	3.27	-22.75	-30.02	-38.73	1.90		
5.00	3.64	156.2	154.6	153.7	3.40	3.40	3.26	-23.08	-30.16	-38.58	1.85		
5.25	3.20	157.1	155.5	154.6	3.41	3.39	3.25	-23.41	-30.29	-38.58	1.76		
5.50	2.74	158.0	156.3	155.3	3.42	3.38	3.24	-23.70	-30.45	-38.50	1.62		
5.75	2.28	158.8	157.0	155.9	3.44	3.36	3.22	-23.91	-30.56	-38.51	1.45		
6.00	1.85	159.4	157.6	156.4	3.45	3.35	3.20	-24.10	-30.64	-38.42	1.26		
6.25	1.47	159.9	158.1	156.9	3.46	3.34	3.19	-24.25	-30.71	-38.31	1.05		
6.50	1.14	160.3	158.4	157.2	3.47	3.33	3.18	-24.35	-30.77	-38.30	0.86		
6.75	0.87	160.6	158.7	157.4	3.47	3.32	3.17	-24.43	-30.79	-38.21	0.69		
7.00	0.87	160.8	158.9	157.6	3.48	3.32	3.16	-24.50	-30.80	-38.17	0.55		

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