

# Voltage Controlled Oscillator

# ROS-5580-119+

## Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)					FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F0.5	F1.5	F2	F3	F4	
0.00	72.13	5328.5	5308.2	5295.4	0.50	-2.16	-4.00	-26.7	-41.8	-27.3	-32.9	-39.5	0.80
0.25	67.64	5345.7	5326.2	5314.0	0.67	-1.76	-4.12	-27.2	-34.3	-27.5	-32.6	-39.7	0.93
0.50	65.82	5362.3	5343.1	5331.3	0.74	-1.39	-3.63	-27.1	-34.8	-28.9	-33.4	-39.4	0.99
0.75	65.04	5378.6	5359.6	5347.7	0.50	-1.25	-3.18	-26.7	-35.1	-28.3	-33.6	-40.7	1.03
1.00	65.60	5395.0	5375.9	5363.9	0.39	-1.29	-3.01	-26.4	-31.8	-28.0	-33.5	-40.1	1.07
1.25	66.23	5411.4	5392.3	5380.1	0.67	-1.63	-3.20	-26.7	-33.3	-28.6	-34.4	-40.8	1.11
1.50	66.88	5427.9	5408.8	5396.4	1.00	-1.52	-3.52	-26.6	-31.9	-27.9	-35.7	-40.6	1.15
1.75	67.65	5444.7	5425.5	5413.0	0.96	-1.16	-3.44	-26.2	-29.4	-27.6	-36.5	-40.6	1.17
2.00	68.92	5461.7	5442.5	5429.8	1.43	-0.95	-2.95	-26.2	-32.4	-28.1	-37.5	-41.4	1.17
2.25	70.05	5479.2	5459.7	5446.8	1.12	-0.76	-2.56	-26.2	-32.1	-27.1	-37.3	-40.1	1.16
2.50	71.27	5496.9	5477.2	5464.0	0.69	-0.61	-2.69	-26.3	-29.7	-30.4	-37.7	-40.6	1.12
2.75	71.95	5514.9	5495.0	5481.6	0.90	-0.91	-2.50	-26.2	-32.0	-27.6	-38.7	-41.3	1.04
3.00	71.84	5532.9	5513.0	5499.4	1.80	-1.34	-2.70	-25.6	-31.6	-28.3	-38.5	-40.9	0.90
3.25	70.69	5550.8	5531.0	5517.3	2.09	-0.64	-2.93	-25.4	-30.0	-29.6	-38.8	-41.2	0.68
3.50	69.48	5568.6	5548.6	5535.0	1.41	0.05	-2.61	-25.7	-32.7	-28.4	-39.6	-41.7	0.40
3.75	68.23	5586.1	5566.0	5552.4	1.47	-0.08	-1.82	-25.3	-32.0	-30.7	-39.1	-41.3	0.10
4.00	65.77	5603.1	5583.1	5569.3	1.57	-0.47	-1.81	-25.0	-32.2	-30.1	-39.1	-41.2	0.17
4.25	62.84	5619.4	5599.5	5585.8	1.75	-0.37	-2.31	-24.6	-32.4	-29.2	-38.5	-41.8	0.38
4.50	59.73	5634.9	5615.2	5601.7	2.07	-0.21	-2.26	-24.3	-31.1	-30.7	-38.0	-41.4	0.52
4.75	56.62	5649.8	5630.1	5616.7	1.98	-0.04	-2.01	-24.0	-32.5	-28.4	-38.7	-40.6	0.56
5.00	53.94	5664.0	5644.3	5631.0	1.86	0.23	-1.78	-24.2	-33.2	-29.4	-39.8	-40.4	0.51
5.25	51.45	5677.6	5657.8	5644.5	2.01	0.03	-1.51	-24.5	-31.7	-30.1	-40.1	-41.4	0.37
5.50	48.73	5690.4	5670.6	5657.3	2.14	-0.21	-1.49	-24.2	-31.2	-29.2	-39.3	-41.4	0.15
5.75	46.32	5702.5	5682.8	5669.5	2.21	-0.02	-1.82	-23.7	-32.6	-27.9	-39.9	-40.3	0.11
6.00	44.24	5714.0	5694.4	5681.2	1.90	0.15	-2.04	-22.9	-31.4	-27.1	-39.9	-39.9	0.37
6.25	42.50	5725.2	5705.5	5692.3	1.97	0.28	-1.86	-22.6	-30.2	-28.4	-40.8	-39.5	0.63
6.50	41.31	5735.8	5716.1	5703.0	2.53	0.24	-1.65	-23.3	-30.2	-27.8	-41.3	-40.3	0.86
6.75	40.33	5746.1	5726.4	5713.3	2.55	-0.10	-1.50	-23.4	-31.4	-27.9	-39.5	-40.0	1.08
7.00	40.33	5756.2	5736.5	5723.3	2.29	-0.03	-1.43	-23.2	-31.9	-30.8	-40.7	-40.6	1.25

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-74
10	-102
100	-123
1000	-143

