

Voltage Controlled Oscillator

ROS-5540C-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	65.19	5271.0	5256.4	5245.0	1.35	-0.47	-2.12	-30.3	-33.4	-27.6	-37.5	-58.9	0.69
0.25	62.14	5286.8	5272.7	5261.7	1.54	-0.38	-2.18	-30.2	-31.1	-26.7	-36.3	-59.2	0.80
0.50	60.82	5302.1	5288.2	5277.5	1.73	-0.15	-2.09	-30.3	-30.1	-27.2	-35.6	-58.6	0.87
0.75	60.77	5317.1	5303.4	5292.8	1.87	0.06	-1.78	-30.2	-31.4	-27.1	-35.0	-58.5	0.90
1.00	61.92	5332.4	5318.6	5308.0	1.93	0.10	-1.49	-30.0	-30.1	-26.2	-34.5	-61.8	0.93
1.25	63.54	5347.9	5334.1	5323.3	1.83	0.16	-1.37	-29.7	-29.6	-26.3	-34.4	-62.1	0.96
1.50	65.66	5363.9	5350.0	5338.9	1.67	0.01	-1.44	-29.3	-30.2	-26.2	-34.1	-62.4	1.00
1.75	67.98	5380.5	5366.4	5355.1	1.87	-0.15	-1.49	-28.8	-28.6	-25.4	-34.2	-65.5	1.04
2.00	70.24	5397.6	5383.4	5371.8	2.21	0.08	-1.64	-28.9	-29.2	-25.5	-34.8	-61.6	1.08
2.25	72.87	5415.3	5400.9	5389.2	2.30	0.50	-1.38	-29.0	-30.3	-25.9	-35.6	-61.0	1.09
2.50	76.07	5433.9	5419.2	5407.2	2.23	0.53	-0.94	-28.7	-28.9	-25.6	-35.7	-58.8	1.07
2.75	78.99	5453.2	5438.2	5425.8	2.23	0.37	-0.77	-28.4	-29.8	-25.2	-36.2	-58.8	1.03
3.00	81.21	5473.2	5457.9	5445.2	2.20	0.43	-1.15	-28.3	-29.8	-25.0	-36.8	-58.4	0.92
3.25	82.34	5493.8	5478.2	5465.2	2.09	0.53	-1.04	-28.2	-29.5	-24.2	-37.8	-58.0	0.71
3.50	83.02	5514.5	5498.8	5485.7	2.58	0.48	-0.90	-27.8	-29.7	-24.1	-38.6	-57.7	0.37
3.75	82.78	5535.4	5519.6	5506.3	2.76	0.85	-0.56	-28.0	-31.1	-24.3	-39.9	-56.8	0.05
4.00	81.99	5556.3	5540.3	5526.8	2.42	0.92	-0.68	-27.9	-30.8	-24.2	-40.2	-56.7	0.50
4.25	80.03	5576.8	5560.8	5547.2	2.25	0.68	-0.53	-27.4	-31.0	-24.0	-40.3	-56.7	0.90
4.50	77.39	5596.8	5580.8	5567.2	2.78	0.44	-0.63	-26.7	-31.8	-23.7	-40.2	-56.4	1.23
4.75	74.06	5616.2	5600.1	5586.6	3.04	1.06	-0.69	-27.1	-32.0	-24.3	-40.9	-54.0	1.46
5.00	70.83	5634.8	5618.6	5605.2	2.95	1.30	-0.39	-27.2	-33.1	-24.6	-41.2	-52.0	1.58
5.25	67.13	5652.6	5636.3	5622.8	2.86	1.13	-0.11	-27.0	-33.7	-24.2	-41.9	-50.8	1.61
5.50	62.83	5669.4	5653.1	5639.5	2.75	1.05	-0.26	-26.8	-33.5	-24.2	-42.4	-49.6	1.55
5.75	58.23	5685.1	5668.8	5655.3	2.51	0.93	-0.34	-26.5	-33.6	-23.5	-42.1	-49.8	1.48
6.00	53.80	5699.7	5683.4	5669.9	2.97	0.62	-0.36	-26.2	-34.5	-22.8	-41.3	-50.6	1.41
6.25	48.92	5713.1	5696.8	5683.4	3.36	0.76	-0.37	-26.3	-34.8	-23.2	-41.2	-50.6	1.31
6.50	44.39	5725.3	5709.1	5695.7	3.41	1.30	-0.48	-26.7	-35.2	-23.3	-41.2	-51.6	1.22
6.75	40.17	5736.4	5720.2	5706.9	3.20	1.55	-0.55	-26.8	-35.2	-23.5	-40.9	-51.5	1.10
7.00	40.17	5746.5	5730.2	5717.0	2.83	1.54	-0.23	-26.6	-35.3	-24.0	-40.6	-51.8	0.92

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-74
10	-102
100	-125
1000	-144

