

Voltage Controlled Oscillator

ROS-5363C-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	55.80	5150.7	5137.0	5125.1	2.06	0.63	-2.64	-30.2	-38.9	-34.8	-52.8	-53.5	0.78
0.25	52.97	5164.3	5151.0	5139.2	1.78	0.42	-2.55	-30.1	-45.0	-33.4	-51.0	-53.9	0.88
0.50	52.01	5177.3	5164.2	5152.8	1.58	-0.02	-2.73	-29.9	-39.9	-29.5	-46.4	-54.0	0.94
0.75	51.61	5190.3	5177.2	5165.9	1.56	-0.08	-2.84	-29.7	-37.8	-28.8	-42.6	-53.2	0.99
1.00	51.77	5203.0	5190.1	5178.7	1.78	-0.06	-2.90	-29.5	-44.5	-30.9	-38.1	-54.0	1.02
1.25	52.47	5215.9	5203.1	5191.5	1.75	0.00	-3.02	-29.1	-44.0	-31.0	-34.3	-53.9	1.04
1.50	53.37	5229.1	5216.2	5204.5	1.64	-0.01	-3.22	-29.1	-38.7	-28.2	-35.4	-54.0	1.07
1.75	54.73	5242.6	5229.5	5217.6	1.10	-0.08	-3.18	-29.5	-41.3	-26.7	-39.0	-52.6	1.09
2.00	56.28	5256.5	5243.2	5231.1	1.20	0.01	-3.05	-29.6	-43.9	-28.3	-43.1	-54.1	1.11
2.25	58.15	5270.8	5257.3	5245.0	1.23	0.01	-3.12	-29.6	-39.3	-29.1	-47.1	-53.7	1.13
2.50	60.27	5285.6	5271.8	5259.3	1.15	-0.22	-3.19	-29.1	-36.3	-27.5	-53.4	-52.0	1.16
2.75	62.55	5300.8	5286.9	5274.1	1.28	-0.44	-3.27	-28.4	-38.6	-25.4	-54.8	-52.1	1.18
3.00	64.67	5316.6	5302.5	5289.4	0.92	-0.48	-3.56	-28.0	-36.6	-27.4	-54.1	-53.1	1.19
3.25	66.19	5333.0	5318.7	5305.2	0.95	-0.16	-3.38	-28.1	-35.9	-26.5	-50.9	-52.1	1.17
3.50	67.77	5349.9	5335.2	5321.5	0.90	-0.13	-3.39	-28.3	-36.5	-23.8	-48.6	-52.8	1.08
3.75	69.09	5367.1	5352.2	5338.2	0.75	-0.20	-3.53	-28.1	-36.0	-25.1	-44.9	-53.8	0.91
4.00	69.50	5384.5	5369.5	5355.3	1.07	-0.40	-3.59	-27.8	-35.8	-26.7	-42.0	-53.0	0.68
4.25	69.25	5401.8	5386.8	5372.5	1.27	-0.95	-3.57	-27.3	-35.4	-24.7	-42.0	-53.1	0.38
4.50	67.63	5418.9	5404.1	5389.6	1.03	-0.87	-3.57	-26.7	-32.6	-27.4	-45.0	-53.1	0.06
4.75	65.56	5435.9	5421.0	5406.4	0.65	-0.53	-3.44	-27.1	-34.4	-29.4	-47.9	-54.1	0.26
5.00	63.28	5452.3	5437.4	5422.8	1.08	-0.52	-3.35	-27.6	-36.2	-28.2	-49.9	-53.5	0.51
5.25	60.65	5468.1	5453.3	5438.7	1.51	-0.69	-3.38	-27.7	-34.3	-28.1	-50.9	-53.0	0.65
5.50	57.86	5483.2	5468.4	5453.8	1.83	-0.47	-3.36	-27.5	-34.0	-30.3	-52.2	-54.5	0.66
5.75	54.94	5497.5	5482.9	5468.2	1.76	-0.58	-3.63	-26.9	-33.5	-31.0	-53.4	-53.2	0.55
6.00	52.10	5511.1	5496.6	5481.9	1.10	-0.73	-3.22	-26.7	-33.1	-29.0	-50.8	-53.7	0.33
6.25	49.52	5524.3	5509.6	5494.9	1.19	-1.15	-2.85	-26.8	-34.9	-29.4	-53.6	-53.4	0.05
6.50	47.27	5536.7	5522.0	5507.2	1.27	-1.30	-2.81	-26.9	-35.6	-30.7	-52.7	-53.3	0.24
6.75	45.50	5548.7	5533.8	5518.9	1.36	-0.76	-2.86	-26.9	-34.5	-32.1	-51.6	-53.3	0.52
7.00	45.50	5560.1	5545.2	5530.3	1.48	-0.52	-3.24	-26.8	-33.4	-31.8	-51.7	-54.2	0.78

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-74
10	-102
100	-122
1000	-140