

Voltage Controlled Oscillator

ROS-4303-119+

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			
0.0	102.21	4121.35	4089.69	4072.32	4.47	4.16	3.78	-26.24	-30.89	-47.71	0.81	1	-70
0.3	97.96	4146.94	4115.24	4098.62	4.30	4.43	3.81	-26.99	-32.47	-47.27	0.37	10	-95
0.5	86.91	4169.50	4139.73	4122.59	4.46	4.36	3.97	-26.50	-33.45	-46.87	0.09	100	-118
0.8	86.67	4191.61	4161.45	4146.04	4.46	4.37	3.94	-26.55	-33.94	-46.82	0.01	1000	-137
1.0	83.18	4212.01	4183.12	4167.00	4.40	4.43	4.00	-26.35	-35.01	-46.55	0.12		
1.3	79.40	4232.68	4203.92	4188.18	4.72	4.43	4.11	-25.75	-35.59	-46.56	0.14		
1.5	84.62	4254.14	4223.77	4208.56	4.73	4.55	4.07	-25.84	-36.85	-47.21	0.14		
1.8	84.84	4274.95	4244.92	4227.96	4.59	4.65	4.16	-25.86	-37.64	-47.96	0.20		
2.0	79.72	4293.86	4266.13	4249.17	4.59	4.62	4.29	-25.62	-38.19	-47.30	0.24		
2.3	81.95	4315.29	4286.06	4270.27	4.81	4.58	4.30	-25.49	-39.35	-47.47	0.17		
2.5	86.85	4337.28	4306.55	4290.20	4.84	4.72	4.18	-25.92	-40.12	-46.82	0.20		
2.8	87.28	4358.34	4328.26	4310.59	4.72	4.78	4.35	-25.83	-41.97	-45.52	0.16		
3.0	84.90	4379.82	4350.08	4332.66	4.84	4.73	4.43	-25.72	-44.51	-44.16	0.04		
3.3	88.02	4402.01	4371.31	4354.75	4.93	4.79	4.34	-26.68	-45.94	-43.42	0.24		
3.5	86.15	4423.37	4393.31	4375.72	4.85	4.81	4.42	-26.30	-48.30	-42.26	0.67		
3.8	84.27	4445.60	4414.85	4397.71	5.05	4.76	4.48	-26.29	-49.71	-41.57	1.32		
4.0	87.52	4466.79	4435.92	4419.32	5.07	4.79	4.43	-26.43	-51.75	-41.07	2.23		
4.3	80.13	4486.54	4457.80	4440.35	4.91	4.89	4.44	-26.80	-51.73	-41.11	3.04		
4.5	74.80	4506.61	4477.83	4461.71	5.10	4.84	4.53	-26.62	-49.14	-41.15	3.74		
4.8	76.68	4526.32	4496.53	4481.10	5.09	4.85	4.50	-27.14	-47.97	-41.69	4.74		
5.0	73.76	4545.00	4515.70	4499.35	4.86	4.89	4.51	-27.17	-46.09	-43.11	5.62		
5.3	66.11	4562.11	4534.14	4517.85	5.05	4.87	4.53	-27.39	-45.42	-44.75	6.10		
5.5	62.05	4579.13	4550.67	4535.48	5.17	4.82	4.52	-27.25	-43.84	-46.35	6.10		
5.8	59.12	4594.59	4566.18	4551.23	5.17	4.87	4.47	-27.97	-44.37	-49.26	6.47		
6.0	53.41	4609.15	4580.96	4565.49	5.12	4.96	4.48	-28.13	-42.86	-51.67	6.37		
6.3	49.19	4621.90	4594.31	4579.28	4.95	4.99	4.63	-28.46	-42.16	-54.63	6.05		
6.5	45.44	4634.08	4606.61	4591.75	5.00	4.98	4.65	-28.31	-41.46	-57.92	5.80		
6.8	38.38	4646.05	4617.97	4602.93	5.09	4.94	4.71	-28.18	-42.03	-57.90	5.29		
7.0	38.38	4656.18	4627.56	4613.00	5.09	4.88	4.73	-28.80	-40.84	-62.02	4.57		

