

Voltage Controlled Oscillator

ROS-4403-119+

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	76.23	4117.1	4098.2	4084.4	3.78	3.71	3.16	-31.1	-26.9	-50.7	0.00	1	-71
0.25	66.67	4134.7	4117.3	4104.5	3.77	3.66	3.34	-30.9	-28.0	-47.8	0.21	10	-97
0.50	71.22	4153.2	4133.9	4122.5	3.90	3.60	3.30	-30.5	-27.2	-44.1	0.24	100	-118
0.75	69.01	4170.3	4151.7	4138.8	3.99	3.72	3.29	-30.8	-30.4	-42.6	0.38	1000	-138
1.00	64.84	4186.2	4169.0	4156.1	4.05	3.80	3.39	-30.8	-28.8	-40.6	0.41		
1.25	63.91	4202.5	4185.2	4173.1	4.23	3.84	3.45	-29.6	-30.6	-40.0	0.39		
1.50	67.90	4219.3	4201.2	4189.2	4.22	4.01	3.51	-30.3	-31.1	-41.7	0.40		
1.75	69.77	4236.5	4218.2	4205.0	4.11	4.09	3.67	-30.5	-32.2	-41.2	0.42		
2.00	68.69	4253.2	4235.6	4222.2	4.02	3.96	3.75	-30.3	-32.2	-41.4	0.41		
2.25	73.20	4271.8	4252.8	4239.8	4.21	3.86	3.70	-31.4	-33.1	-42.0	0.28		
2.50	74.12	4290.0	4271.1	4257.4	4.32	4.01	3.61	-31.6	-33.4	-42.4	0.19		
2.75	71.24	4307.9	4289.6	4274.6	4.37	4.13	3.63	-31.7	-34.3	-42.8	0.10		
3.00	67.10	4324.9	4307.4	4293.3	4.27	4.22	3.78	-31.6	-34.9	-41.5	0.57		
3.25	66.84	4343.1	4324.2	4311.0	4.32	4.17	3.84	-30.9	-35.5	-41.2	1.13		
3.50	69.50	4360.9	4340.9	4328.0	4.21	4.16	3.88	-33.3	-37.5	-42.7	2.00		
3.75	64.20	4377.6	4358.3	4343.2	4.19	4.08	3.72	-33.0	-36.5	-42.3	2.53		
4.00	57.57	4392.4	4374.3	4359.9	4.21	4.00	3.69	-33.0	-38.3	-41.9	3.00		
4.25	49.69	4405.2	4388.7	4375.5	4.16	4.00	3.67	-32.9	-37.4	-43.1	3.23		
4.50	45.14	4418.9	4401.1	4389.4	4.29	4.01	3.60	-32.3	-37.7	-43.0	3.15		
4.75	46.07	4430.8	4412.4	4401.6	4.39	4.00	3.63	-32.4	-39.9	-42.9	3.60		
5.00	40.78	4441.7	4423.9	4411.9	4.29	4.08	3.57	-34.7	-39.4	-45.1	3.34		
5.25	36.27	4451.6	4434.1	4421.4	4.18	4.01	3.51	-34.2	-39.2	-44.3	3.01		
5.50	32.42	4460.3	4443.2	4431.1	4.06	4.04	3.62	-34.0	-41.4	-44.6	2.53		
5.75	28.92	4467.8	4451.3	4439.5	3.88	3.96	3.61	-35.2	-42.0	-47.0	2.06		
6.00	25.24	4474.7	4458.5	4446.9	3.81	3.86	3.58	-35.8	-40.5	-46.8	1.59		
6.25	22.10	4481.0	4464.8	4453.5	3.82	3.79	3.52	-35.7	-40.1	-47.5	1.14		
6.50	20.01	4486.6	4470.4	4459.5	3.79	3.71	3.39	-35.8	-40.4	-48.6	0.78		
6.75	18.80	4491.6	4475.4	4464.8	3.73	3.63	3.26	-36.5	-41.5	-48.2	0.50		
7.00	18.80	4496.2	4480.1	4469.6	3.73	3.60	3.18	-36.8	-41.8	-48.3	0.24		

REV. X2
 ROS-4403-119+
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 Page 1 of 1



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