

Voltage Controlled Oscillator

SOS-4250-119+

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	116.73	4013.25	3992.32	3976.43	2.25	2.25	2.20	-27.99	-34.96	-44.14	0.03	1	-71
0.25	101.67	4040.48	4021.50	4005.70	2.49	2.26	2.25	-26.79	-34.16	-45.74	0.25	10	-96
0.50	97.28	4065.90	4046.92	4032.70	2.49	2.48	2.37	-26.20	-34.12	-43.97	0.42	100	-117
0.75	97.11	4091.04	4071.24	4056.48	2.34	2.47	2.58	-25.56	-33.34	-43.01	0.52	1000	-137
1.00	91.56	4114.44	4095.51	4080.24	2.53	2.37	2.52	-24.91	-32.66	-42.60	0.55		
1.25	87.14	4136.76	4118.40	4103.90	2.67	2.54	2.52	-24.81	-32.60	-42.15	0.54		
1.50	87.65	4159.18	4140.19	4125.73	2.76	2.67	2.70	-24.53	-33.31	-41.31	0.51		
1.75	85.40	4181.16	4162.10	4147.13	2.70	2.76	2.80	-23.89	-32.36	-43.56	0.42		
2.00	82.46	4202.42	4183.45	4168.34	2.63	2.70	2.88	-24.00	-32.46	-43.18	0.20		
2.25	80.28	4223.13	4204.07	4189.09	2.80	2.63	2.84	-23.89	-32.76	-43.03	0.03		
2.50	72.71	4242.10	4224.14	4209.05	2.94	2.74	2.78	-23.77	-32.73	-43.59	0.36		
2.75	69.21	4260.63	4242.31	4227.83	3.00	2.92	2.94	-23.83	-32.71	-43.36	0.74		
3.00	65.92	4278.50	4259.61	4244.86	2.98	2.98	3.06	-23.51	-32.32	-42.73	1.08		
3.25	63.51	4295.72	4276.09	4261.20	3.01	2.97	3.14	-23.36	-32.98	-42.40	1.47		
3.50	57.92	4310.07	4291.97	4276.62	3.10	2.92	3.15	-22.99	-32.74	-43.98	1.67		
3.75	47.93	4323.55	4306.45	4291.55	3.18	2.98	3.11	-22.65	-32.17	-44.97	1.89		
4.00	44.15	4335.91	4318.43	4304.37	3.29	3.10	3.16	-22.51	-31.99	-44.11	1.98		
4.25	40.48	4347.26	4329.47	4315.42	3.36	3.18	3.22	-22.17	-31.25	-44.48	1.93		
4.50	36.81	4357.76	4339.59	4325.56	3.40	3.26	3.26	-21.98	-31.10	-44.98	1.96		
4.75	33.53	4367.71	4348.79	4334.72	3.42	3.30	3.34	-21.86	-31.00	-43.85	1.83		
5.00	30.88	4376.18	4357.17	4343.02	3.49	3.33	3.39	-21.64	-30.53	-44.60	1.61		
5.25	29.14	4383.35	4364.89	4350.56	3.53	3.33	3.43	-21.65	-30.32	-44.23	1.44		
5.50	25.93	4389.92	4372.18	4357.46	3.56	3.32	3.45	-21.68	-30.69	-44.28	1.27		
5.75	22.82	4395.91	4378.66	4363.82	3.59	3.34	3.47	-21.65	-30.59	-43.62	1.11		
6.00	19.73	4401.36	4384.37	4369.80	3.61	3.36	3.47	-21.51	-30.35	-43.73	0.93		
6.25	17.47	4406.30	4389.30	4375.25	3.62	3.40	3.48	-21.58	-30.25	-44.86	0.79		
6.50	16.19	4410.80	4393.67	4379.85	3.63	3.43	3.50	-21.65	-29.92	-42.73	0.68		
6.75	15.02	4414.93	4397.71	4383.94	3.64	3.45	3.52	-21.75	-30.02	-42.80	0.59		
7.00	15.02	4418.74	4401.47	4387.71	3.66	3.46	3.54	-21.75	-30.21	-43.51	0.51		

REV. X1
SOS-4250-119+
101010
Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

