

Voltage Controlled Oscillator

ROS-5150-319+

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	F0.5	F1.5	F2			
0.00	94.51	4967.15	4947.38	4935.47	3.30	1.84	0.56	-34.50	-27.75	-33.67	0.50	1	-73
0.25	87.04	4989.48	4971.01	4960.09	3.65	2.52	1.07	-34.19	-27.04	-32.91	0.87	10	-103
0.50	84.31	5010.80	4992.77	4982.37	3.58	2.81	1.59	-34.42	-29.69	-32.21	1.11	100	-126
0.75	83.76	5031.91	5013.85	5003.51	4.06	2.74	1.76	-33.64	-30.09	-31.19	1.33	1000	-147
1.00	82.51	5052.51	5034.79	5024.34	4.35	3.15	1.78	-33.84	-32.93	-31.38	1.47		
1.25	82.75	5073.08	5055.41	5045.05	4.41	3.45	2.16	-33.68	-34.42	-30.95	1.57		
1.50	83.55	5093.86	5076.10	5065.63	4.60	3.44	2.41	-33.23	-34.92	-30.40	1.72		
1.75	84.82	5114.94	5096.99	5086.30	4.71	3.60	2.54	-33.05	-43.00	-29.97	1.83		
2.00	86.12	5136.49	5118.19	5107.27	4.67	3.73	2.74	-32.81	-40.72	-29.28	1.90		
2.25	87.21	5158.21	5139.72	5128.56	5.04	3.70	2.74	-32.43	-37.79	-28.38	1.94		
2.50	87.10	5180.24	5161.53	5150.18	4.96	4.05	2.80	-32.20	-47.12	-28.81	1.83		
2.75	86.80	5202.36	5183.30	5171.89	5.06	4.21	3.16	-31.89	-36.36	-26.87	1.55		
3.00	86.27	5224.36	5205.00	5193.54	5.04	4.06	3.21	-31.30	-39.76	-26.64	1.04		
3.25	82.15	5245.77	5226.57	5214.78	5.23	3.93	3.28	-30.85	-34.26	-25.91	0.30		
3.50	78.03	5266.35	5247.11	5235.63	5.22	4.26	3.13	-30.82	-36.81	-26.23	0.58		
3.75	73.76	5285.86	5266.62	5255.37	5.10	4.38	3.42	-30.55	-34.77	-25.21	1.46		
4.00	69.02	5304.30	5285.06	5273.92	5.07	4.13	3.51	-30.11	-32.53	-24.90	2.24		
4.25	62.97	5321.29	5302.31	5291.25	5.20	3.90	3.41	-29.59	-33.94	-24.09	2.86		
4.50	57.37	5336.89	5318.05	5307.34	5.11	4.25	3.10	-29.69	-32.94	-24.48	3.17		
4.75	51.33	5351.01	5332.39	5321.96	5.07	4.18	3.37	-29.41	-32.20	-24.41	3.22		
5.00	46.24	5363.69	5345.23	5335.15	5.15	4.24	3.42	-29.35	-32.47	-24.14	3.06		
5.25	40.82	5375.01	5356.79	5346.97	5.21	4.14	3.40	-29.19	-32.62	-23.40	2.64		
5.50	35.80	5384.96	5366.99	5357.50	5.26	4.20	3.31	-28.98	-31.86	-23.33	2.05		
5.75	31.51	5393.70	5375.94	5366.77	5.31	4.30	3.34	-28.75	-32.15	-24.00	1.34		
6.00	27.76	5401.46	5383.82	5374.94	5.14	4.34	3.40	-28.87	-32.40	-23.73	0.60		
6.25	24.33	5408.24	5390.76	5382.11	4.97	4.25	3.46	-28.63	-32.79	-23.86	0.14		
6.50	21.21	5414.23	5396.84	5388.39	4.96	4.16	3.52	-28.46	-33.16	-23.59	0.82		
6.75	19.05	5419.44	5402.14	5393.94	5.07	4.14	3.54	-28.29	-32.94	-23.44	1.43		
7.00	19.05	5424.10	5406.91	5398.88	5.12	3.99	3.51	-28.22	-32.71	-23.26	1.98		

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