

Voltage Controlled Oscillator

ROS-4940-119+

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	86.65	4837.8	4811.1	4789.2	0.37	0.00	-0.59	-25.2	-47.9	-55.8	4.34	1	-70
0.25	79.52	4859.0	4832.8	4811.8	0.42	0.20	-0.50	-25.4	-45.8	-56.5	4.50	10	-94
0.50	77.76	4879.6	4852.7	4831.8	0.41	0.35	-0.30	-25.1	-43.4	-57.5	4.66	100	-115
0.75	75.60	4898.3	4872.1	4850.8	0.46	0.37	-0.08	-24.6	-41.1	-56.8	5.23	1000	-135
1.00	70.30	4916.1	4891.0	4870.3	0.50	0.38	-0.01	-24.1	-39.6	-53.3	4.94		
1.25	68.72	4933.7	4908.6	4888.0	0.70	0.39	-0.02	-23.7	-38.0	-50.1	4.96		
1.50	71.55	4951.9	4925.8	4905.2	0.83	0.52	0.04	-23.8	-36.9	-46.0	5.04		
1.75	71.39	4969.6	4943.7	4922.2	0.87	0.69	0.15	-23.6	-36.4	-42.8	5.49		
2.00	70.98	4987.2	4961.5	4939.3	0.87	0.83	0.33	-23.3	-35.8	-41.1	5.27		
2.25	72.40	5005.2	4979.3	4958.1	0.89	0.84	0.50	-23.3	-35.5	-41.5	5.37		
2.50	72.60	5023.0	4997.4	4975.9	0.95	0.79	0.55	-23.0	-34.9	-42.2	5.49		
2.75	74.11	5042.0	5015.5	4993.7	1.10	0.79	0.56	-22.7	-33.9	-41.7	5.40		
3.00	78.22	5060.9	5034.0	5011.8	1.18	0.90	0.55	-22.7	-33.8	-42.2	5.69		
3.25	77.21	5079.9	5053.6	5030.9	1.09	1.11	0.55	-22.3	-34.4	-44.5	5.56		
3.50	78.33	5100.1	5072.9	5050.2	1.03	1.12	0.70	-21.9	-34.8	-50.5	5.45		
3.75	81.87	5120.1	5092.5	5069.6	1.03	0.97	0.81	-22.2	-34.9	-59.4	5.39		
4.00	76.30	5139.5	5112.9	5089.8	1.06	0.91	0.75	-21.9	-35.7	-55.3	5.16		
4.25	73.82	5158.8	5132.0	5108.9	1.18	0.90	0.65	-21.9	-37.1	-52.7	4.44		
4.50	71.43	5178.6	5150.5	5127.1	1.11	0.97	0.59	-21.7	-39.3	-51.7	3.93		
4.75	68.91	5196.0	5168.3	5145.0	0.86	1.05	0.58	-21.5	-41.1	-50.4	3.50		
5.00	57.96	5211.6	5185.6	5162.5	0.67	0.98	0.66	-21.6	-45.2	-50.2	2.84		
5.25	50.53	5225.8	5200.0	5177.9	0.66	0.81	0.66	-21.0	-52.5	-49.3	2.39		
5.50	44.21	5239.0	5212.7	5190.8	0.61	0.62	0.58	-20.6	-49.4	-48.1	2.23		
5.75	38.76	5249.7	5223.7	5202.0	0.67	0.53	0.39	-20.4	-48.0	-47.0	2.37		
6.00	33.53	5258.7	5233.4	5212.2	0.74	0.49	0.17	-20.4	-43.6	-46.9	2.69		
6.25	27.94	5266.3	5241.8	5220.4	0.70	0.48	0.08	-20.5	-40.7	-47.0	3.04		
6.50	23.13	5272.6	5248.8	5227.3	0.63	0.49	0.07	-20.5	-40.1	-46.9	3.25		
6.75	19.71	5278.0	5254.6	5233.3	0.56	0.49	0.01	-20.5	-39.7	-47.4	3.47		
7.00	19.71	5282.6	5259.5	5238.8	0.53	0.48	-0.02	-20.5	-39.3	-47.0	3.69		

