

Voltage Controlled Oscillator

ROS-1012-1PH19+

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	66.78	833.5	824.6	814.8	4.50	4.27	3.11	-18.8	-44.4	-59.6	1.04	1	-77
0.25	60.58	849.5	841.3	832.6	4.68	4.39	3.19	-19.3	-45.4	-57.9	0.81	10	-104
0.50	56.87	864.2	856.5	848.3	4.76	4.51	3.37	-19.9	-46.5	-58.0	0.70	100	-127
0.75	55.38	878.1	870.7	863.1	4.77	4.49	3.34	-20.3	-46.2	-55.5	0.62	1000	-147
1.00	54.57	891.7	884.5	877.2	4.81	4.46	3.34	-20.9	-45.1	-55.3	0.51		
1.25	53.93	905.0	898.2	891.0	4.93	4.49	3.35	-21.3	-43.5	-54.6	0.39		
1.50	54.18	918.2	911.6	904.8	5.05	4.58	3.45	-21.9	-41.7	-53.0	0.26		
1.75	54.42	931.6	925.2	918.4	5.09	4.65	3.60	-22.7	-40.7	-51.4	0.12		
2.00	54.62	945.0	938.8	932.1	5.07	4.64	3.67	-23.3	-39.9	-50.9	0.07		
2.25	54.90	958.6	952.5	945.9	5.03	4.57	3.65	-24.0	-39.2	-50.4	0.07		
2.50	54.92	972.2	966.2	959.7	5.07	4.61	3.70	-24.7	-39.7	-48.8	0.15		
2.75	55.12	985.9	979.9	973.5	5.13	4.69	3.80	-25.4	-40.2	-47.3	0.31		
3.00	55.74	999.6	993.7	987.4	5.04	4.66	3.83	-26.0	-41.2	-46.3	0.51		
3.25	55.64	1013.5	1007.6	1001.3	5.00	4.58	3.76	-26.4	-42.5	-45.9	0.75		
3.50	55.68	1027.3	1021.5	1015.4	4.97	4.56	3.74	-26.9	-44.4	-45.7	1.02		
3.75	55.52	1041.1	1035.5	1029.5	4.96	4.55	3.75	-27.6	-46.1	-45.7	1.30		
4.00	55.07	1054.8	1049.3	1043.5	4.94	4.53	3.75	-27.9	-47.6	-45.2	1.58		
4.25	55.18	1068.5	1063.1	1057.4	4.86	4.48	3.71	-28.5	-49.1	-45.0	1.88		
4.50	54.67	1082.2	1076.9	1071.3	4.71	4.35	3.62	-28.9	-49.4	-45.3	2.15		
4.75	54.00	1095.8	1090.6	1085.0	4.68	4.31	3.57	-29.3	-48.4	-45.8	2.36		
5.00	53.51	1109.2	1104.1	1098.7	4.59	4.26	3.56	-29.8	-46.9	-45.6	2.58		
5.25	52.88	1122.5	1117.4	1112.1	4.43	4.11	3.44	-30.1	-45.2	-45.5	2.76		
5.50	52.17	1135.7	1130.7	1125.3	4.37	4.03	3.36	-30.7	-44.1	-46.2	2.87		
5.75	51.86	1148.7	1143.7	1138.4	4.30	3.99	3.32	-31.1	-43.2	-47.7	2.99		
6.00	50.80	1161.7	1156.7	1151.3	4.15	3.88	3.29	-31.5	-42.2	-48.2	3.03		
6.25	50.04	1174.4	1169.4	1164.0	4.06	3.80	3.20	-31.8	-41.3	-48.5	3.03		
6.50	49.45	1186.9	1181.9	1176.5	3.94	3.70	3.12	-32.4	-40.8	-49.2	3.02		
6.75	48.88	1199.3	1194.2	1188.8	3.83	3.63	3.08	-33.1	-40.2	-50.9	2.97		
7.00	48.88	1211.5	1206.5	1201.0	3.69	3.50	3.00	-33.3	-39.8	-52.6	2.87		

