

Voltage Controlled Oscillator

ROS-1270-1PH19+

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			
0.0	41.97	1122.8	1116.6	1112.0	4.37	2.96	2.05	-21.4	-32.2	-35.1	0.02	1	-82
0.3	37.50	1132.6	1127.1	1122.7	4.30	2.89	1.97	-20.7	-33.2	-33.5	0.24	10	-106
0.5	35.77	1141.7	1136.5	1132.4	4.25	2.84	1.92	-20.1	-33.8	-32.4	0.38	100	-127
0.8	34.75	1150.6	1145.4	1141.4	4.24	2.80	1.87	-19.7	-34.5	-31.5	0.47	1000	-144
1.0	34.18	1159.2	1154.1	1150.2	4.20	2.76	1.86	-19.2	-35.2	-30.2	0.55		
1.3	35.08	1168.1	1162.6	1158.7	4.13	2.71	1.84	-18.7	-36.5	-29.5	0.61		
1.5	35.32	1177.0	1171.4	1167.3	4.03	2.68	1.81	-18.4	-37.4	-28.9	0.66		
1.8	36.06	1186.1	1180.2	1176.0	3.93	2.64	1.78	-18.2	-38.0	-27.7	0.69		
2.0	36.38	1195.3	1189.3	1184.9	3.85	2.58	1.72	-18.1	-39.0	-27.5	0.71		
2.3	36.84	1204.7	1198.4	1193.9	3.80	2.53	1.68	-17.8	-39.3	-26.8	0.72		
2.5	37.70	1214.2	1207.6	1203.0	3.76	2.50	1.65	-17.5	-40.3	-26.3	0.71		
2.8	38.92	1224.1	1217.0	1212.2	3.72	2.49	1.65	-17.3	-40.7	-26.4	0.72		
3.0	39.51	1234.3	1226.7	1221.7	3.68	2.49	1.66	-17.4	-41.9	-25.9	0.69		
3.3	39.96	1244.5	1236.6	1231.4	3.61	2.48	1.67	-17.6	-41.4	-25.6	0.64		
3.5	39.57	1254.8	1246.6	1241.2	3.50	2.44	1.67	-17.5	-42.0	-25.5	0.57		
3.8	40.49	1265.2	1256.5	1251.0	3.41	2.41	1.63	-17.4	-41.5	-25.1	0.54		
4.0	40.44	1275.7	1266.6	1260.8	3.38	2.37	1.60	-17.4	-41.2	-25.1	0.43		
4.3	40.49	1286.2	1276.7	1270.7	3.39	2.34	1.57	-17.6	-40.8	-25.3	0.34		
4.5	38.97	1296.3	1286.8	1280.7	3.40	2.38	1.61	-17.7	-40.0	-25.1	0.25		
4.8	39.05	1306.5	1296.6	1290.5	3.34	2.45	1.68	-17.8	-39.4	-25.6	0.17		
5.0	39.08	1316.7	1306.3	1300.0	3.31	2.47	1.70	-18.0	-38.5	-25.8	0.08		
5.3	39.04	1326.9	1316.1	1309.5	3.27	2.46	1.71	-18.2	-37.6	-26.1	0.02		
5.5	37.77	1336.6	1325.9	1319.1	3.24	2.42	1.69	-18.4	-36.7	-26.6	0.10		
5.8	36.70	1346.1	1335.3	1328.5	3.20	2.43	1.71	-18.7	-35.9	-26.6	0.17		
6.0	36.46	1355.6	1344.5	1337.6	3.18	2.42	1.72	-18.9	-35.2	-26.8	0.24		
6.3	36.09	1365.0	1353.6	1346.5	3.16	2.40	1.70	-19.2	-34.0	-27.0	0.31		
6.5	35.64	1374.1	1362.6	1355.4	3.18	2.41	1.71	-19.4	-33.3	-27.1	0.37		

