

Voltage Controlled Oscillator

ROS-1330-1PH19+

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	45.00	1169.6	1162.2	1156.3	5.05	3.91	2.92	-19.1	-27.5	-42.4	1.05	1	-82
0.3	41.68	1180.4	1173.4	1167.9	4.94	3.82	2.85	-18.6	-28.5	-40.5	0.69	10	-106
0.5	39.98	1190.8	1183.8	1178.2	4.83	3.71	2.77	-18.2	-29.9	-38.8	0.52	100	-127
0.8	38.97	1200.8	1193.8	1188.3	4.73	3.64	2.71	-17.9	-30.3	-37.6	0.40	1000	-145
1.0	38.58	1210.6	1203.6	1197.9	4.68	3.60	2.69	-17.7	-31.2	-36.6	0.33		
1.3	38.68	1220.5	1213.2	1207.5	4.64	3.58	2.68	-17.6	-32.2	-35.8	0.26		
1.5	39.09	1230.4	1222.9	1217.1	4.57	3.53	2.64	-17.4	-32.5	-35.1	0.22		
1.8	39.98	1240.6	1232.7	1226.7	4.46	3.47	2.60	-17.3	-33.1	-34.3	0.18		
2.0	40.71	1251.0	1242.7	1236.5	4.33	3.40	2.55	-17.2	-33.9	-33.8	0.17		
2.3	41.56	1261.5	1252.8	1246.5	4.27	3.35	2.51	-17.3	-34.8	-33.2	0.17		
2.5	41.76	1272.2	1263.2	1256.7	4.20	3.33	2.49	-17.5	-34.8	-32.8	0.19		
2.8	42.63	1283.1	1273.7	1267.1	4.13	3.29	2.47	-17.4	-35.4	-32.5	0.21		
3.0	42.96	1294.0	1284.3	1277.5	4.06	3.25	2.44	-17.5	-35.8	-31.9	0.26		
3.3	43.12	1305.1	1295.1	1288.1	4.04	3.22	2.40	-17.7	-36.1	-31.7	0.32		
3.5	43.34	1316.2	1305.9	1298.8	4.03	3.21	2.36	-18.1	-36.7	-31.6	0.39		
3.8	43.19	1327.2	1316.7	1309.5	3.98	3.22	2.37	-18.4	-37.4	-31.4	0.45		
4.0	43.09	1338.2	1327.5	1320.2	3.94	3.23	2.41	-18.3	-37.5	-31.8	0.53		
4.3	43.09	1349.3	1338.3	1330.9	3.88	3.21	2.41	-18.7	-38.1	-31.9	0.61		
4.5	42.80	1360.2	1349.0	1341.5	3.79	3.14	2.35	-19.0	-38.4	-31.8	0.68		
4.8	41.45	1370.8	1359.7	1352.1	3.74	3.07	2.26	-19.2	-39.0	-32.2	0.75		
5.0	41.06	1381.3	1370.1	1362.6	3.72	3.04	2.22	-19.2	-39.5	-32.4	0.80		
5.3	40.74	1391.7	1380.4	1372.8	3.76	3.06	2.23	-19.6	-40.0	-33.3	0.85		
5.5	40.12	1402.0	1390.5	1382.9	3.77	3.07	2.22	-20.0	-40.4	-34.5	0.90		
5.8	39.41	1412.1	1400.6	1392.8	3.76	3.09	2.23	-20.3	-40.5	-35.5	0.94		
6.0	38.39	1421.9	1410.4	1402.7	3.77	3.08	2.26	-20.6	-40.6	-36.6	0.95		
6.3	38.10	1431.6	1420.0	1412.3	3.78	3.06	2.23	-21.0	-40.1	-36.5	0.99		
6.5	37.54	1441.2	1429.5	1421.7	3.83	3.09	2.23	-20.9	-40.2	-36.4	1.02		
6.8	37.12	1450.7	1438.9	1431.0	3.87	3.12	2.25	-21.1	-39.7	-35.6	1.04		
7.0	37.12	1459.9	1448.2	1440.2	3.85	3.15	2.27	-21.6	-39.2	-35.3	1.04		