

Voltage Controlled Oscillator

ROS-1250W-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			
0.0	77.75	771.6	757.9	742.4	-1.07	-0.86	-0.91	-22.9	-43.2	-57.3	2.16	1	-72
0.3	90.18	791.2	777.4	761.8	-1.06	-0.71	-0.74	-23.1	-43.4	-57.7	2.07	10	-97
0.5	109.70	816.3	799.9	783.3	-1.02	-0.60	-0.65	-24.7	-42.9	-56.0	2.44	100	-118
0.8	123.90	845.5	827.3	808.9	-0.79	-0.47	-0.58	-26.0	-43.4	-56.3	2.65	1000	-138
1.0	135.28	877.8	858.3	839.0	-0.61	-0.34	-0.41	-26.2	-43.6	-53.7	2.60		
1.3	142.05	912.3	892.1	871.8	-0.22	-0.22	-0.28	-27.3	-44.1	-53.8	2.59		
1.5	148.12	948.9	927.6	906.5	0.09	0.29	0.04	-28.0	-44.6	-50.8	2.50		
1.8	151.71	986.8	964.7	943.1	0.47	0.60	0.26	-29.5	-44.4	-48.0	2.33		
2.0	149.44	1025.1	1002.6	980.5	0.64	0.63	0.56	-30.8	-45.8	-47.7	1.90		
2.3	146.90	1063.1	1040.0	1018.0	0.81	0.93	0.58	-31.9	-45.7	-42.9	1.19		
2.5	140.17	1100.1	1076.7	1054.8	0.95	0.92	0.61	-32.8	-44.4	-42.0	0.21		
2.8	128.28	1134.6	1111.7	1090.3	1.03	0.95	0.56	-34.2	-42.7	-41.4	1.09		
3.0	116.60	1166.1	1143.8	1123.3	1.10	1.01	0.54	-35.6	-40.9	-41.6	2.62		
3.3	105.96	1194.5	1172.9	1153.7	1.02	1.01	0.58	-36.0	-40.3	-40.7	4.07		
3.5	94.23	1219.9	1199.4	1181.2	0.97	0.88	0.43	-36.3	-39.4	-40.8	5.21		
3.8	83.77	1242.5	1223.0	1206.0	0.88	0.78	0.35	-37.3	-36.8	-38.9	5.97		
4.0	74.45	1262.6	1243.9	1227.9	0.61	0.61	0.29	-37.0	-39.0	-40.1	6.38		
4.3	66.53	1280.4	1262.5	1247.5	0.41	0.42	0.04	-37.5	-37.8	-40.2	6.43		
4.5	58.84	1296.1	1279.2	1264.8	0.20	0.21	-0.12	-38.1	-36.0	-39.1	6.09		
4.8	51.26	1309.8	1293.9	1280.1	-0.01	-0.11	-0.33	-37.5	-35.1	-39.0	5.49		
5.0	44.83	1321.8	1306.7	1293.4	-0.22	-0.33	-0.56	-37.4	-35.3	-40.7	4.65		
5.3	39.54	1332.4	1317.9	1305.0	-0.46	-0.52	-0.74	-37.0	-36.2	-41.8	3.87		
5.5	34.92	1341.8	1327.8	1315.3	-0.75	-0.70	-0.88	-37.0	-36.1	-42.2	3.10		
5.8	31.29	1350.1	1336.5	1324.4	-0.98	-0.86	-1.10	-37.9	-37.3	-42.4	2.44		
6.0	28.22	1357.7	1344.4	1332.5	-1.20	-1.01	-1.28	-37.7	-36.6	-42.6	1.89		
6.3	25.38	1364.5	1351.4	1339.8	-1.37	-1.15	-1.50	-37.8	-36.8	-42.6	1.45		
6.5	23.45	1370.7	1357.8	1346.4	-1.54	-1.27	-1.69	-38.2	-36.3	-42.6	1.13		
6.8	21.62	1376.4	1363.6	1352.4	-1.67	-1.40	-1.87	-38.3	-35.7	-43.9	0.86		
7.0	21.62	1381.7	1369.0	1358.0	-1.83	-1.53	-1.99	-38.1	-35.5	-44.0	0.64		

