

Voltage Controlled Oscillator

ROS-1275+

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	14.49	1162.6	1159.7	1157.2	0.56	0.13	-0.28	-16.4	-51.8	-33.3	0.65	1	-88
0.5	13.35	1169.8	1166.9	1164.5	0.51	0.10	-0.28	-16.4	-50.7	-33.1	0.72	10	-112
1.0	13.17	1176.6	1173.6	1171.1	0.48	0.09	-0.29	-16.4	-49.9	-32.8	0.79	100	-133
1.5	13.43	1183.3	1180.2	1177.6	0.45	0.08	-0.29	-16.3	-49.0	-33.1	0.88	1000	-152
2.0	13.87	1190.3	1186.9	1184.2	0.40	0.05	-0.32	-16.3	-44.1	-33.0	0.97		
2.5	14.03	1197.3	1193.8	1191.0	0.33	-0.01	-0.36	-16.4	-41.2	-33.0	1.05		
3.0	14.06	1204.5	1200.8	1197.9	0.23	-0.08	-0.43	-16.6	-39.1	-32.8	1.12		
3.5	13.89	1211.7	1207.9	1204.8	0.14	-0.14	-0.48	-16.6	-38.2	-32.8	1.18		
4.0	13.39	1218.7	1214.8	1211.7	0.11	-0.18	-0.52	-16.5	-36.4	-32.9	1.23		
4.5	12.85	1225.4	1221.5	1218.3	0.09	-0.19	-0.54	-16.5	-34.8	-33.2	1.27		
5.0	12.37	1232.0	1227.9	1224.7	0.08	-0.20	-0.54	-16.7	-33.8	-33.0	1.33		
5.5	11.67	1238.1	1234.1	1230.8	0.06	-0.21	-0.53	-16.8	-33.2	-33.0	1.37		
6.0	11.09	1244.0	1239.9	1236.6	0.01	-0.25	-0.57	-16.9	-32.7	-32.5	1.42		
6.5	10.58	1249.6	1245.5	1242.1	-0.05	-0.29	-0.61	-16.9	-31.9	-32.3	1.47		
7.0	10.15	1255.0	1250.8	1247.4	-0.08	-0.34	-0.65	-17.0	-30.9	-32.2	1.53		
7.5	9.69	1260.1	1255.9	1252.4	-0.12	-0.37	-0.70	-16.9	-29.9	-31.9	1.59		
8.0	9.29	1265.0	1260.7	1257.2	-0.15	-0.39	-0.72	-16.9	-29.0	-31.4	1.63		
8.5	9.01	1269.7	1265.3	1261.8	-0.20	-0.43	-0.77	-17.0	-28.5	-30.9	1.68		
9.0	8.72	1274.2	1269.8	1266.3	-0.27	-0.50	-0.81	-17.2	-27.9	-30.8	1.76		
9.5	8.33	1278.6	1274.2	1270.6	-0.34	-0.56	-0.87	-17.3	-27.3	-31.2	1.80		
10.0	8.02	1282.8	1278.4	1274.7	-0.40	-0.62	-0.94	-17.4	-26.7	-31.1	1.84		
10.5	7.73	1286.8	1282.4	1278.7	-0.47	-0.69	-1.00	-17.6	-26.1	-31.1	1.88		
11.0	7.46	1290.7	1286.3	1282.6	-0.54	-0.76	-1.09	-17.8	-25.5	-31.4	1.91		
11.5	7.19	1294.5	1290.0	1286.3	-0.63	-0.84	-1.17	-18.0	-25.0	-32.0	1.94		
12.0	6.93	1298.2	1293.6	1289.8	-0.73	-0.95	-1.25	-18.2	-24.8	-32.9	1.97		

REV. X1
ROS-1275+
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Page 1 of 1



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