

Voltage Controlled Oscillator

ROS-1303-119+

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	46.42	943.7	938.2	934.6	5.94	6.11	5.88	-25.3	-28.0	-52.2	1.82	1	-83
0.5	40.87	966.6	961.4	957.9	6.36	6.44	6.35	-23.3	-28.3	-52.3	1.25	10	-111
1.0	39.09	987.0	981.8	978.2	6.68	6.71	6.61	-22.7	-30.9	-52.9	0.97	100	-134
1.5	38.59	1006.8	1001.3	997.6	6.99	7.01	6.85	-22.8	-31.7	-53.2	0.73	1000	-153
2.0	38.73	1026.3	1020.6	1016.8	7.11	7.17	7.01	-22.6	-37.5	-52.1	0.63		
2.5	38.89	1045.6	1040.0	1036.1	7.17	7.27	7.15	-22.9	-38.4	-51.3	0.61		
3.0	39.00	1064.8	1059.5	1055.5	7.18	7.31	7.24	-23.5	-40.6	-49.6	0.64		
3.5	38.75	1084.0	1079.0	1075.1	7.11	7.26	7.25	-24.4	-40.6	-49.5	0.69		
4.0	38.08	1103.1	1098.3	1094.7	7.00	7.18	7.28	-25.8	-39.3	-48.6	0.76		
4.5	37.11	1121.8	1117.4	1113.8	6.91	7.06	7.26	-26.6	-36.0	-49.0	0.85		
5.0	36.19	1140.2	1135.9	1132.5	6.82	6.95	7.22	-27.8	-34.2	-49.9	0.98		
5.5	34.90	1158.2	1154.0	1150.6	6.75	6.85	7.18	-28.6	-33.2	-49.6	1.09		
6.0	33.65	1175.8	1171.5	1168.1	6.64	6.75	7.06	-28.8	-33.2	-49.0	1.18		
6.5	32.32	1192.6	1188.3	1184.9	6.51	6.64	6.93	-29.1	-31.5	-48.2	1.22		
7.0	31.12	1208.9	1204.5	1201.1	6.40	6.55	6.80	-29.0	-31.8	-46.2	1.23		
7.5	29.86	1224.5	1220.0	1216.6	6.29	6.45	6.66	-28.6	-31.0	-44.1	1.19		
8.0	28.62	1239.5	1235.0	1231.5	6.23	6.33	6.53	-28.7	-31.0	-43.7	1.14		
8.5	27.37	1253.9	1249.3	1245.7	6.19	6.21	6.44	-28.5	-30.1	-41.9	1.07		
9.0	26.34	1267.8	1262.9	1259.4	6.16	6.16	6.39	-28.0	-29.6	-41.4	1.00		
9.5	25.36	1281.1	1276.1	1272.5	6.09	6.08	6.31	-27.7	-29.7	-39.9	0.92		
10.0	24.39	1293.9	1288.8	1285.2	6.04	5.99	6.23	-27.7	-29.0	-39.7	0.86		
10.5	23.47	1306.2	1301.0	1297.3	5.98	5.87	6.15	-27.6	-29.6	-37.8	0.81		
11.0	22.54	1318.0	1312.7	1309.0	5.94	5.74	6.06	-27.3	-29.3	-37.9	0.76		
11.5	21.69	1329.4	1324.0	1320.2	5.89	5.65	6.00	-27.1	-28.3	-36.4	0.74		
12.0	20.85	1340.4	1334.8	1331.0	5.82	5.56	5.93	-27.1	-28.6	-36.4	0.72		
12.5	20.09	1350.9	1345.3	1341.4	5.77	5.51	5.86	-27.3	-28.7	-35.7	0.71		
13.0	19.34	1361.1	1355.3	1351.4	5.67	5.49	5.80	-27.3	-27.9	-34.9	0.72		
13.5	18.64	1371.0	1365.0	1361.1	5.56	5.47	5.72	-27.2	-27.9	-35.3	0.73		
14.0	18.64	1380.4	1374.3	1370.4	5.45	5.44	5.62	-27.2	-28.1	-34.3	0.76		

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