

# Voltage Controlled Oscillator

# ROS-1344-119+

## 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			
0.00	27.65	1270.1	1264.5	1260.4	-1.33	-1.31	-1.33	-27.2	-24.2	-33.2	0.75	1	-83
0.25	24.40	1276.6	1271.4	1267.7	-1.41	-1.39	-1.40	-27.2	-24.8	-31.9	0.36	10	-111
0.50	22.63	1282.6	1277.5	1273.9	-1.49	-1.47	-1.48	-27.2	-25.1	-31.7	0.21	100	-132
0.75	21.53	1288.1	1283.1	1279.7	-1.56	-1.55	-1.56	-27.4	-24.8	-31.5	0.13	1000	-152
1.00	20.78	1293.5	1288.5	1285.1	-1.62	-1.62	-1.64	-27.6	-24.4	-31.2	0.07		
1.25	20.25	1298.6	1293.7	1290.3	-1.68	-1.68	-1.71	-27.6	-24.1	-30.8	0.03		
1.50	19.88	1303.7	1298.8	1295.4	-1.74	-1.74	-1.77	-27.5	-24.3	-30.1	0.00		
1.75	19.60	1308.7	1303.7	1300.4	-1.80	-1.81	-1.83	-27.3	-24.8	-29.9	0.02		
2.00	19.39	1313.6	1308.6	1305.3	-1.85	-1.87	-1.90	-27.2	-24.8	-30.1	0.04		
2.25	19.18	1318.4	1313.5	1310.1	-1.89	-1.92	-1.96	-27.2	-24.6	-29.7	0.05		
2.50	19.04	1323.2	1318.3	1314.9	-1.92	-1.96	-2.01	-27.2	-24.2	-29.5	0.06		
2.75	18.94	1328.0	1323.0	1319.7	-1.96	-2.00	-2.05	-27.1	-23.9	-29.1	0.06		
3.00	18.84	1332.8	1327.8	1324.4	-2.00	-2.04	-2.08	-27.2	-23.8	-28.7	0.06		
3.25	18.72	1337.5	1332.5	1329.1	-2.04	-2.08	-2.13	-27.3	-23.8	-28.7	0.06		
3.50	18.63	1342.2	1337.2	1333.8	-2.08	-2.12	-2.17	-27.3	-24.1	-29.0	0.05		
3.75	18.52	1346.9	1341.8	1338.4	-2.12	-2.15	-2.21	-27.2	-24.4	-28.8	0.05		
4.00	18.43	1351.5	1346.4	1343.0	-2.17	-2.19	-2.24	-27.2	-24.3	-28.4	0.04		
4.25	18.33	1356.2	1351.1	1347.6	-2.23	-2.23	-2.28	-27.3	-24.0	-28.0	0.03		
4.50	18.23	1360.8	1355.6	1352.2	-2.30	-2.28	-2.32	-27.3	-23.7	-28.0	0.03		
4.75	18.11	1365.4	1360.2	1356.8	-2.38	-2.35	-2.37	-27.2	-23.4	-28.0	0.01		
5.00	17.99	1369.9	1364.7	1361.3	-2.45	-2.41	-2.43	-27.1	-23.3	-28.0	0.00		
5.25	17.89	1374.5	1369.2	1365.8	-2.54	-2.48	-2.50	-27.0	-23.5	-27.7	0.01		
5.50	17.80	1379.0	1373.7	1370.3	-2.61	-2.56	-2.57	-26.8	-23.6	-27.5	0.02		
5.75	17.65	1383.5	1378.1	1374.7	-2.67	-2.63	-2.65	-26.8	-23.6	-27.1	0.03		
6.00	17.50	1387.9	1382.6	1379.1	-2.72	-2.69	-2.71	-26.9	-23.5	-27.1	0.04		
6.25	17.36	1392.3	1386.9	1383.5	-2.77	-2.75	-2.78	-27.0	-23.3	-27.4	0.05		
6.50	17.25	1396.7	1391.3	1387.8	-2.82	-2.79	-2.83	-27.1	-23.0	-27.5	0.07		
6.75	17.09	1401.1	1395.6	1392.1	-2.84	-2.84	-2.88	-27.0	-22.8	-27.2	0.08		
7.00	17.09	1405.4	1399.9	1396.4	-2.85	-2.87	-2.93	-27.1	-22.9	-26.8	0.10		

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