

Voltage Controlled Oscillator

ROS-EDR5357

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			
0.3	29.75	1246.6	1244.3	1240.8	2.20	1.65	0.18	-24.1	-34.0	-39.0	-0.14	1	-91
0.5	25.89	1252.8	1250.8	1247.4	2.09	1.55	0.13	-23.8	-34.4	-38.3	-0.11	10	-111
0.8	23.49	1258.6	1256.7	1253.4	1.94	1.46	0.08	-23.7	-35.3	-37.7	-0.10	100	-134
1.0	21.79	1264.0	1262.1	1258.9	1.86	1.36	0.01	-24.0	-37.2	-38.5	-0.09	1000	-146
1.3	20.30	1268.9	1267.2	1264.1	1.81	1.27	-0.04	-24.4	-39.6	-39.1	-0.08		
1.5	19.40	1273.9	1272.1	1268.9	1.86	1.29	-0.01	-24.6	-39.8	-40.1	-0.08		
1.8	19.40	1278.7	1276.9	1273.7	1.78	1.25	0.03	-24.8	-37.6	-42.0	-0.07		
2.0	18.56	1283.3	1281.5	1278.3	1.69	1.18	0.00	-25.0	-36.3	-43.7	-0.07		
2.3	17.96	1287.8	1286.0	1282.8	1.61	1.11	-0.04	-25.0	-35.3	-44.2	-0.06		
2.5	17.53	1292.2	1290.4	1287.2	1.53	1.04	-0.07	-24.7	-34.5	-43.7	-0.06		
2.8	17.21	1296.6	1294.7	1291.4	1.43	0.97	-0.11	-24.3	-34.4	-43.5	-0.06		
3.0	16.93	1300.8	1299.0	1295.6	1.33	0.89	-0.15	-23.9	-34.5	-43.5	-0.05		
3.3	16.63	1305.0	1303.1	1299.7	1.28	0.85	-0.20	-23.8	-34.8	-42.8	-0.05		
3.5	16.38	1309.1	1307.2	1303.8	1.23	0.82	-0.25	-23.9	-35.1	-42.1	-0.05		
3.8	16.22	1313.2	1311.3	1307.8	1.18	0.79	-0.28	-24.2	-35.5	-41.9	-0.05		
4.0	16.10	1317.3	1315.3	1311.8	1.12	0.76	-0.31	-24.5	-35.9	-41.4	-0.05		
4.3	16.00	1321.3	1319.3	1315.8	1.07	0.72	-0.33	-25.0	-36.5	-41.2	-0.05		
4.5	15.94	1325.4	1323.3	1319.7	1.01	0.69	-0.36	-25.3	-37.5	-41.1	-0.05		
4.8	15.89	1329.4	1327.2	1323.7	0.94	0.66	-0.39	-25.5	-39.0	-41.3	-0.04		
5.0	15.84	1333.4	1331.2	1327.6	0.89	0.63	-0.43	-25.5	-40.3	-41.7	-0.04		
5.3	15.84	1337.4	1335.2	1331.5	0.86	0.60	-0.47	-25.3	-40.8	-41.8	-0.04		
5.5	15.88	1341.4	1339.1	1335.4	0.83	0.55	-0.51	-25.0	-40.1	-42.8	-0.04		
5.8	15.93	1345.4	1343.1	1339.3	0.80	0.50	-0.54	-24.8	-38.5	-45.1	-0.04		
6.0	15.90	1349.4	1347.1	1343.2	0.76	0.46	-0.55	-24.7	-37.1	-47.4	-0.04		
6.3	15.85	1353.4	1351.1	1347.1	0.73	0.46	-0.57	-24.8	-36.4	-50.5	-0.04		
6.5	15.88	1357.4	1355.0	1351.0	0.70	0.45	-0.60	-24.9	-36.3	-52.2	-0.04		
6.8	15.95	1361.5	1359.0	1355.0	0.66	0.44	-0.62	-25.1	-35.9	-53.2	-0.04		
7.0	16.04	1365.5	1363.0	1358.9	0.62	0.43	-0.65	-25.3	-35.3	-54.7	-0.04		