

Voltage Controlled Oscillator

ROS-EDR6003

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	29.39	1213.7	1209.1	1203.7	4.85	4.98	4.25	-25.6	-28.1	-29.8	1.30	1 10 100 1000	-83 -108 -127 -147
0.5	27.53	1220.6	1216.0	1210.5	4.77	4.90	4.24	-25.5	-28.5	-30.5	1.44		
0.8	25.98	1227.1	1222.5	1217.0	4.53	4.80	4.17	-25.2	-28.9	-30.2	1.55		
1.0	25.37	1233.5	1228.9	1223.2	4.24	4.54	4.08	-25.0	-28.7	-29.9	1.59		
1.3	24.18	1239.6	1234.9	1229.4	4.73	4.38	3.87	-24.9	-28.3	-29.4	1.48		
1.5	23.43	1246.0	1240.8	1235.2	5.04	4.87	3.68	-24.9	-29.2	-30.1	1.60		
1.8	25.13	1252.6	1247.0	1240.7	5.04	5.11	4.05	-24.6	-30.3	-31.0	1.72		
2.0	25.86	1259.3	1253.5	1246.8	4.94	5.10	4.38	-24.5	-30.5	-31.3	1.74		
2.3	26.55	1266.2	1260.1	1253.1	4.80	5.00	4.42	-24.4	-30.5	-31.1	1.79		
2.5	27.05	1273.0	1266.9	1259.6	4.62	4.88	4.36	-24.4	-30.5	-30.8	1.78		
2.8	26.81	1280.0	1273.6	1266.3	4.25	4.72	4.25	-24.0	-30.5	-30.5	1.77		
3.0	27.33	1286.8	1280.4	1272.9	3.91	4.39	4.13	-23.9	-29.5	-30.4	1.75		
3.3	26.43	1293.0	1287.1	1279.5	4.54	4.07	3.89	-23.6	-28.8	-30.2	1.50		
3.5	23.35	1299.6	1292.9	1286.0	4.89	4.57	3.53	-23.8	-29.8	-30.7	1.39		
3.8	25.42	1306.4	1299.2	1291.7	4.86	4.98	3.61	-24.1	-31.3	-31.3	1.45		
4.0	26.59	1313.2	1305.9	1297.4	4.75	4.97	4.19	-24.2	-30.8	-32.0	1.39		
4.3	26.32	1319.9	1312.5	1303.7	4.58	4.87	4.36	-24.3	-29.8	-32.3	1.30		
4.5	26.30	1326.5	1319.0	1310.1	4.38	4.71	4.31	-24.7	-28.9	-32.8	1.25		
4.8	25.44	1333.0	1325.4	1316.3	4.06	4.53	4.20	-24.7	-28.4	-33.0	1.17		
5.0	24.83	1338.9	1331.6	1322.5	4.10	4.27	4.04	-24.6	-27.6	-32.7	1.08		
5.3	22.76	1344.5	1337.3	1328.4	4.57	4.12	3.86	-24.5	-27.4	-32.3	0.88		
5.5	20.54	1350.5	1342.4	1334.2	4.67	4.48	3.62	-24.8	-28.0	-32.4	0.82		
5.8	22.26	1356.5	1348.0	1339.2	4.59	4.76	3.53	-25.3	-28.1	-32.6	0.90		
6.0	23.05	1362.4	1353.8	1343.9	4.48	4.74	3.86	-25.4	-27.5	-32.5	0.86		
6.3	22.48	1368.1	1359.4	1348.9	4.33	4.64	4.14	-25.6	-26.9	-32.4	0.81		
6.5	21.90	1373.8	1364.9	1354.3	4.17	4.52	4.15	-25.8	-26.5	-31.4	0.75		
6.8	21.37	1379.3	1370.2	1359.6	4.03	4.38	4.07	-26.1	-26.0	-31.0	0.73		
7.0	21.22	1384.7	1375.5	1364.7	3.83	4.23	3.96	-26.5	-25.5	-30.9	0.73		