

Voltage Controlled Oscillator

ROS-ED8420/2

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			
0.5	25.17	1279.1	1272.4	1265.7	1.45	2.15	2.30	-19.8	-43.4	-37.4	0.45	1	-72
1.0	20.29	1289.1	1282.5	1275.9	1.68	2.37	2.60	-19.7	-42.3	-36.1	0.58	10	-102
1.5	17.98	1298.0	1291.5	1285.0	1.91	2.64	2.82	-19.6	-42.0	-34.8	0.64	100	-122
2.0	16.68	1306.4	1299.8	1293.2	2.16	2.85	3.02	-19.6	-41.8	-33.6	0.70	1000	-142
2.5	15.85	1314.4	1307.8	1301.1	2.43	3.10	3.27	-19.5	-40.0	-32.2	0.72		
3.0	15.45	1322.2	1315.5	1308.7	2.68	3.35	3.51	-19.5	-39.5	-30.5	0.77		
3.5	15.15	1329.9	1323.1	1316.1	2.99	3.65	3.75	-19.5	-39.4	-29.9	0.79		
4.0	15.04	1337.6	1330.6	1323.5	3.30	3.92	4.05	-19.4	-39.4	-29.0	0.79		
4.5	15.07	1345.3	1338.1	1330.9	3.60	4.23	4.31	-19.5	-39.4	-28.4	0.78		
5.0	15.13	1353.1	1345.7	1338.2	3.91	4.54	4.61	-19.7	-39.2	-27.7	0.78		
5.5	15.28	1361.1	1353.3	1345.6	4.27	4.87	4.92	-19.9	-40.0	-27.1	0.75		
6.0	15.44	1369.2	1361.1	1353.0	4.66	5.24	5.23	-20.2	-40.1	-26.1	0.71		
6.5	15.58	1377.6	1368.8	1360.5	5.10	5.64	5.59	-20.6	-40.8	-25.3	0.61		
7.0	15.61	1386.1	1376.6	1368.0	5.53	6.06	5.96	-21.1	-39.9	-23.8	0.53		
7.5	15.51	1394.6	1384.4	1375.5	5.97	6.52	6.34	-21.8	-37.8	-22.6	0.44		
8.0	15.37	1403.1	1392.1	1382.9	6.41	6.91	6.76	-22.6	-35.0	-21.3	0.31		