

Voltage Controlled Oscillator

ROS-EDR6030

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	33.19	1281.2	1276.4	1272.1	3.96	3.81	3.26	-28.7	-26.6	-36.4	0.80	1	-84
0.5	30.61	1289.0	1284.1	1279.6	3.77	3.64	3.22	-28.9	-26.1	-35.9	0.78	10	-107
0.8	29.29	1296.3	1291.4	1286.7	3.49	3.45	3.07	-28.4	-25.6	-35.6	0.84	100	-127
1.0	28.08	1303.4	1298.4	1293.7	3.34	3.16	2.89	-28.3	-25.0	-35.7	0.80	1000	-147
1.3	26.60	1310.4	1305.0	1300.4	3.69	3.19	2.65	-28.7	-25.1	-36.0	0.75		
1.5	27.63	1317.8	1312.0	1306.7	3.60	3.49	2.63	-28.8	-25.4	-36.3	0.81		
1.8	29.04	1325.3	1319.2	1313.3	3.36	3.39	2.97	-28.4	-25.0	-36.7	0.76		
2.0	29.40	1333.0	1326.6	1320.4	3.07	3.19	2.94	-28.5	-24.5	-37.2	0.70		
2.3	29.83	1340.5	1334.0	1327.6	2.74	2.96	2.78	-28.8	-24.2	-36.6	0.69		
2.5	29.67	1347.9	1341.4	1334.8	2.71	2.70	2.58	-28.4	-23.5	-36.3	0.67		
2.8	28.28	1355.5	1348.5	1342.2	3.03	2.71	2.36	-28.9	-23.5	-36.4	0.57		
3.0	29.46	1363.4	1355.9	1349.1	2.88	3.05	2.20	-29.2	-23.9	-35.5	0.56		
3.3	31.32	1371.4	1363.7	1356.0	2.64	2.90	2.55	-29.1	-23.3	-35.7	0.46		
3.5	31.13	1379.3	1371.5	1363.6	2.38	2.67	2.55	-28.9	-22.8	-34.8	0.32		
3.8	30.86	1387.1	1379.2	1371.2	2.06	2.44	2.36	-29.2	-22.5	-34.5	0.24		
4.0	30.40	1394.5	1386.8	1378.7	2.16	2.21	2.15	-29.5	-21.9	-33.8	0.16		
4.3	28.58	1402.2	1393.9	1386.1	2.31	2.23	1.97	-29.9	-21.7	-33.9	0.04		
4.5	29.30	1410.0	1401.3	1393.1	2.12	2.49	1.80	-30.2	-21.9	-33.4	-0.06		
4.8	30.08	1417.6	1408.8	1399.8	1.93	2.33	2.05	-29.9	-21.5	-32.7	-0.17		
5.0	29.43	1425.0	1416.2	1407.0	1.68	2.13	2.07	-30.0	-21.1	-31.6	-0.28		
5.3	28.51	1432.1	1423.3	1414.0	1.48	1.92	1.91	-30.2	-20.7	-30.7	-0.34		
5.5	27.57	1438.9	1430.2	1420.9	1.80	1.67	1.73	-30.4	-20.3	-30.0	-0.40		
5.8	25.41	1445.9	1436.5	1427.6	1.92	1.71	1.52	-31.0	-20.3	-29.7	-0.44		
6.0	25.85	1452.9	1443.0	1433.9	1.79	2.10	1.33	-31.2	-20.7	-29.8	-0.56		
6.3	27.05	1459.7	1449.7	1439.7	1.63	2.09	1.41	-31.1	-20.7	-29.7	-0.58		
6.5	25.91	1466.3	1456.2	1445.7	1.49	1.93	1.73	-31.1	-20.5	-29.2	-0.64		
6.8	25.20	1472.7	1462.5	1452.0	1.33	1.78	1.74	-31.2	-20.2	-29.2	-0.68		
7.0	24.28	1478.9	1468.6	1458.0	1.24	1.64	1.61	-31.3	-20.0	-29.1	-0.71		