

Voltage Controlled Oscillator

ROS-EDR4661

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	107.30	766.9	745.7	725.3	8.53	8.22	6.96	-27.9	-25.4	-41.3	0.77	1	-73
1.0	95.40	811.8	793.3	774.3	8.80	8.18	6.96	-24.3	-25.2	-45.6	0.90	10	-97
1.5	89.20	858.1	838.0	817.7	8.65	8.49	7.11	-24.3	-25.3	-50.2	0.90	100	-121
2.0	84.00	899.3	879.9	863.0	9.02	8.60	7.09	-21.9	-26.6	-52.4	0.90	1000	-143
2.5	84.00	941.1	921.9	903.0	9.07	8.73	7.46	-21.0	-27.0	-52.7	1.02		
3.0	79.10	982.5	961.5	944.5	9.34	8.92	7.43	-19.5	-27.2	-51.5	0.96		
3.5	80.60	1021.8	1001.8	984.6	9.41	8.81	7.71	-18.5	-28.7	-50.1	1.02		
4.0	79.60	1062.2	1041.6	1023.4	9.39	9.01	7.73	-18.1	-32.2	-48.2	0.90		
4.5	75.60	1100.0	1079.4	1063.2	9.64	8.95	7.74	-18.0	-36.0	-45.8	1.09		
5.0	74.60	1136.6	1116.7	1099.6	9.54	8.98	7.90	-16.7	-38.3	-45.3	1.15		
5.5	70.40	1174.9	1151.9	1135.7	9.36	8.96	7.71	-17.6	-41.6	-44.6	0.96		
6.0	69.90	1206.0	1186.9	1173.0	9.41	8.80	7.67	-17.1	-40.6	-43.4	0.96		
6.5	69.20	1240.8	1221.5	1204.7	9.22	8.64	7.68	-17.6	-40.4	-41.8	0.90		
7.0	67.60	1274.1	1255.3	1240.0	8.95	8.69	7.45	-17.0	-40.5	-40.6	0.77		
7.5	65.70	1304.5	1288.1	1273.7	8.71	8.68	7.41	-17.3	-37.9	-41.6	0.77		
8.0	62.00	1334.7	1319.1	1305.1	8.46	8.45	7.38	-18.1	-38.7	-43.7	0.64		
8.5	62.20	1367.6	1350.2	1337.0	8.23	8.10	6.97	-17.4	-38.2	-44.5	0.58		
9.0	64.00	1397.9	1382.2	1370.9	8.10	7.80	6.75	-18.7	-39.4	-43.5	0.58		
9.5	65.30	1427.8	1414.9	1401.5	7.82	7.60	6.61	-18.4	-39.0	-43.8	0.58		
10.0	65.00	1461.4	1447.4	1432.8	7.78	7.43	6.17	-18.9	-37.5	-43.6	0.64		
10.5	62.70	1490.7	1478.7	1466.5	7.53	7.19	6.16	-20.4	-38.0	-42.7	0.64		
11.0	60.70	1521.7	1509.1	1495.7	7.19	6.97	5.82	-20.5	-37.0	-44.1	0.58		
11.5	58.90	1552.3	1538.5	1527.3	6.88	6.59	5.45	-21.8	-37.2	-46.2	0.51		
12.0	59.40	1582.5	1568.2	1557.6	6.64	6.11	5.20	-22.5	-34.9	-46.9	0.45		
12.5	59.60	1610.6	1598.0	1587.4	6.27	5.67	4.96	-23.4	-35.5	-44.9	0.58		
13.0	58.90	1638.4	1627.5	1614.7	5.67	5.43	4.68	-25.1	-33.7	-47.1	0.70		
13.5	56.40	1668.9	1655.7	1642.7	5.62	5.36	4.03	-27.2	-35.0	-48.1	0.90		
14.0	52.40	1693.0	1681.9	1672.0	5.48	5.27	4.16	-27.8	-34.2	-44.4	0.90		
14.5	49.40	1718.1	1706.6	1695.3	4.59	4.97	4.11	-30.2	-34.9	-48.0	0.96		
15.0	48.40	1745.9	1730.8	1719.9	4.62	4.63	3.20	-31.1	-34.4	-48.3	0.90		