

Voltage Controlled Oscillator

ROS-EDR6131

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	38.31	1022.5	1009.5	997.0	8.26	7.82	7.03	-21.5	-49.9	-55.9	1.31	1	-73
1.0	37.04	1041.7	1028.0	1015.6	8.39	8.04	7.46	-20.7	-50.3	-56.4	1.37	10	-96
1.5	42.10	1062.8	1049.1	1035.4	8.50	8.13	7.64	-19.8	-50.5	-56.2	1.47	100	-117
2.0	45.88	1086.1	1072.0	1058.4	8.60	8.25	7.78	-19.3	-51.1	-56.4	1.46	1000	-137
2.5	48.80	1111.0	1096.4	1082.8	8.72	8.41	7.97	-18.7	-50.7	-56.2	1.48		
3.0	53.84	1138.1	1123.3	1109.0	8.75	8.33	8.04	-18.4	-48.6	-56.0	1.59		
3.5	57.43	1167.3	1152.1	1137.9	8.70	8.48	8.09	-18.3	-46.4	-55.1	1.60		
4.0	59.84	1197.6	1182.0	1167.1	8.70	8.43	8.18	-18.8	-45.1	-56.1	1.70		
4.5	60.87	1228.1	1212.4	1197.5	8.65	8.51	8.23	-19.2	-44.2	-56.8	1.69		
5.0	59.01	1259.6	1241.9	1226.9	8.54	8.51	8.34	-20.0	-43.0	-56.5	1.77		
5.5	62.40	1290.7	1273.1	1256.6	8.59	8.50	8.26	-20.8	-42.5	-55.2	1.89		
6.0	57.34	1320.1	1301.8	1285.9	8.66	8.60	8.37	-21.8	-43.0	-54.1	1.84		
6.5	55.88	1349.4	1329.7	1313.0	8.68	8.66	8.48	-22.6	-43.3	-53.1	1.97		
7.0	55.98	1377.3	1357.7	1340.3	8.79	8.67	8.45	-23.6	-43.7	-52.2	2.01		
7.5	52.00	1403.5	1383.7	1366.7	8.91	8.76	8.50	-24.6	-43.4	-50.3	2.02		
8.0	50.61	1429.0	1409.0	1391.7	8.93	8.82	8.57	-25.7	-43.4	-49.2	2.03		
8.5	48.68	1454.3	1433.4	1416.0	8.98	8.80	8.56	-26.6	-43.5	-48.9	2.02		
9.0	48.32	1478.0	1457.5	1439.7	9.04	8.84	8.59	-27.6	-43.5	-48.6	2.06		
9.5	46.82	1500.3	1480.9	1463.4	9.07	8.85	8.56	-28.4	-43.4	-48.5	1.89		
10.0	43.07	1522.6	1502.5	1485.8	9.01	8.91	8.61	-29.9	-43.7	-48.6	1.81		
10.5	44.03	1545.2	1524.5	1507.1	8.98	8.86	8.64	-30.5	-43.7	-49.0	1.86		
11.0	45.75	1567.0	1547.4	1529.5	9.00	8.75	8.53	-30.8	-43.6	-50.5	1.71		
11.5	43.21	1588.5	1569.0	1551.9	9.01	8.88	8.48	-30.9	-44.5	-52.3	1.49		
12.0	43.40	1611.6	1590.7	1573.2	8.99	8.84	8.58	-31.6	-45.3	-52.3	1.56		
12.5	44.67	1635.4	1613.0	1594.7	8.99	8.71	8.42	-32.4	-46.7	-51.3	1.67		
13.0	43.51	1657.4	1634.8	1616.4	8.95	8.66	8.30	-33.4	-48.0	-51.1	1.74		
13.5	41.77	1677.5	1655.6	1637.5	8.85	8.56	8.24	-34.5	-49.4	-49.9	1.87		
14.0	40.76	1697.0	1676.0	1658.1	8.67	8.36	8.06	-35.7	-49.1	-49.1	1.84		
14.5	39.38	1717.1	1695.7	1678.4	8.46	8.31	7.95	-36.2	-49.9	-49.2	1.79		
15.0	40.91	1737.2	1716.2	1698.3	8.26	8.06	7.86	-36.8	-49.5	-48.8	1.85		
15.5	41.04	1757.3	1736.7	1719.0	8.13	7.90	7.61	-36.8	-49.3	-51.2	1.79		
16.0	40.17	1776.9	1756.8	1739.5	7.96	7.83	7.47	-36.6	-49.1	-53.4	1.74		
16.5	39.38	1797.0	1776.5	1759.5	7.72	7.69	7.40	-36.6	-49.1	-55.7	1.66		
17.0	40.68	1817.4	1796.8	1779.3	7.47	7.40	7.26	-36.4	-48.2	-55.1	1.74		