

Voltage Controlled Oscillator

ROS-1645W-119+

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			
0.0	39.53	1140.0	1129.7	1120.8	9.63	9.42	8.99	-15.3	-31.8	-58.2	0.48	1	-79
0.5	37.33	1159.3	1149.5	1141.1	9.38	9.22	8.82	-16.1	-32.4	-54.5	0.51	10	-106
1.0	37.17	1178.0	1168.1	1159.9	9.24	9.02	8.63	-16.6	-32.4	-51.2	0.52	100	-128
1.5	38.28	1196.7	1186.7	1178.5	9.05	8.89	8.51	-17.4	-33.0	-49.2	0.51	1000	-148
2.0	39.73	1216.1	1205.9	1197.5	8.89	8.72	8.36	-18.0	-33.1	-47.8	0.50		
2.5	40.76	1236.1	1225.7	1217.4	8.78	8.60	8.22	-18.8	-33.5	-45.9	0.47		
3.0	42.09	1256.9	1246.1	1237.7	8.58	8.51	8.17	-20.6	-35.1	-44.2	0.43		
3.5	42.55	1278.3	1267.2	1258.6	8.27	8.29	8.04	-21.4	-35.6	-43.4	0.38		
4.0	41.53	1299.5	1288.4	1279.8	8.14	8.07	7.77	-22.4	-37.0	-42.2	0.31		
4.5	40.53	1320.3	1309.2	1300.7	8.09	8.00	7.67	-23.0	-38.6	-41.4	0.24		
5.0	39.49	1340.6	1329.5	1321.0	8.02	7.98	7.64	-22.9	-40.0	-40.9	0.18		
5.5	38.65	1360.4	1349.2	1340.7	7.90	7.93	7.59	-22.5	-43.3	-41.4	0.13		
6.0	37.54	1379.7	1368.5	1360.0	7.75	7.78	7.50	-21.2	-45.5	-40.9	0.09		
6.5	36.09	1398.4	1387.3	1378.9	7.73	7.68	7.36	-19.8	-50.6	-39.6	0.06		
7.0	34.93	1416.3	1405.4	1397.0	7.86	7.74	7.33	-19.1	-58.1	-38.8	0.04		
7.5	34.38	1433.8	1422.8	1414.5	7.88	7.82	7.43	-17.9	-60.1	-37.7	0.01		
8.0	33.64	1451.0	1440.0	1431.6	7.84	7.82	7.45	-17.1	-49.4	-36.1	0.01		
8.5	32.77	1467.8	1456.8	1448.5	7.87	7.78	7.40	-16.7	-45.5	-35.5	0.03		
9.0	32.07	1484.1	1473.2	1464.9	7.88	7.80	7.39	-16.2	-41.8	-38.2	0.05		
9.5	31.34	1500.1	1489.2	1480.9	7.93	7.79	7.38	-15.9	-40.4	-38.7	0.06		
10.0	30.71	1515.7	1504.9	1496.6	7.98	7.83	7.39	-16.8	-38.5	-38.3	0.07		
10.5	30.26	1531.1	1520.3	1512.0	8.04	7.88	7.42	-17.3	-37.5	-36.9	0.09		
11.0	29.77	1546.3	1535.4	1527.1	8.02	7.91	7.47	-17.4	-36.2	-34.7	0.10		
11.5	29.12	1561.1	1550.3	1542.0	8.02	7.87	7.46	-18.1	-35.3	-34.6	0.12		
12.0	28.58	1575.7	1564.8	1556.6	8.03	7.88	7.45	-19.0	-34.8	-32.6	0.13		
12.5	28.20	1590.0	1579.1	1570.8	8.04	7.89	7.46	-19.6	-34.4	-33.2	0.15		
13.0	27.66	1604.1	1593.2	1584.9	7.98	7.88	7.48	-20.1	-34.3	-32.4	0.17		
13.5	26.96	1617.9	1607.1	1598.7	7.97	7.82	7.43	-21.1	-33.7	-32.0	0.18		
14.0	26.35	1631.4	1620.5	1612.2	8.00	7.81	7.41	-22.0	-33.7	-31.9	0.20		
14.5	25.98	1644.7	1633.7	1625.4	8.06	7.85	7.40	-22.4	-33.2	-32.6	0.22		
15.0	25.61	1657.8	1646.7	1638.2	8.04	7.89	7.45	-23.1	-33.3	-32.9	0.24		
15.5	25.09	1670.7	1659.5	1650.9	8.03	7.87	7.49	-23.9	-32.8	-33.3	0.26		
16.0	24.39	1683.2	1672.1	1663.4	8.01	7.86	7.45	-24.3	-32.4	-34.6	0.29		
16.5	23.76	1695.5	1684.3	1675.6	8.04	7.84	7.46	-24.3	-32.7	-35.0	0.31		
17.0	23.16	1707.4	1696.1	1687.5	8.08	7.86	7.44	-24.6	-32.2	-36.6	0.34		
17.5	22.50	1719.0	1707.7	1699.0	8.11	7.90	7.48	-24.9	-31.8	-37.6	0.37		
18.0	22.50	1730.3	1719.0	1710.3	8.17	7.93	7.51	-25.8	-32.2	-38.0	0.41		

