

Voltage Controlled Oscillator

ROS-1750W-619+

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			
0.00	137.95	838.5	820.8	804.7	6.76	6.80	5.91	-23.6	-25.9	-33.9	0.14	1	-71
0.50	116.79	905.6	889.8	875.6	6.44	6.60	6.16	-24.6	-24.5	-35.3	0.02	10	-100
1.00	107.59	963.8	948.2	934.3	6.36	6.50	6.09	-25.8	-23.7	-37.6	0.09	100	-122
1.50	103.00	1017.7	1002.0	987.9	6.21	6.34	6.02	-26.0	-23.4	-42.3	0.14	1000	-143
2.00	100.87	1069.5	1053.5	1039.1	6.26	6.38	6.01	-25.0	-23.7	-46.3	0.17		
2.50	99.52	1120.5	1103.9	1089.1	6.18	6.31	6.01	-23.8	-23.9	-46.5	0.17		
3.00	98.45	1170.5	1153.6	1138.5	6.27	6.35	5.90	-22.3	-24.8	-41.6	0.16		
3.50	96.70	1219.7	1202.9	1187.6	6.22	6.28	5.85	-21.1	-26.5	-38.4	0.11		
4.00	94.77	1268.2	1251.2	1235.9	6.25	6.23	5.82	-20.2	-28.3	-39.1	0.04		
4.50	92.49	1315.6	1298.6	1283.4	6.12	6.17	5.74	-19.5	-30.6	-40.1	0.05		
5.00	90.00	1361.6	1344.9	1329.8	6.13	6.12	5.61	-19.0	-33.2	-42.0	0.11		
5.50	87.10	1406.3	1389.9	1375.0	6.05	6.00	5.49	-18.6	-34.2	-39.7	0.16		
6.00	84.62	1449.6	1433.4	1418.8	5.92	5.95	5.45	-18.7	-36.0	-38.3	0.18		
6.50	81.95	1491.6	1475.7	1461.4	5.83	5.82	5.25	-19.0	-36.2	-38.7	0.19		
7.00	79.89	1532.3	1516.7	1502.7	5.67	5.64	5.15	-19.2	-33.6	-37.5	0.19		
7.50	77.91	1572.1	1556.6	1543.0	5.57	5.55	4.97	-19.2	-33.4	-39.3	0.19		
8.00	76.31	1611.0	1595.6	1582.2	5.38	5.40	4.87	-19.7	-30.7	-38.0	0.18		
8.50	74.80	1649.0	1633.7	1620.7	5.21	5.13	4.59	-20.3	-28.2	-36.6	0.17		
9.00	73.48	1686.3	1671.1	1658.2	5.07	5.04	4.43	-20.6	-29.5	-39.2	0.15		
9.50	71.77	1722.8	1707.9	1695.2	4.78	4.78	4.25	-21.0	-30.1	-37.3	0.14		
10.00	70.61	1758.6	1743.8	1731.2	4.80	4.66	4.01	-21.4	-29.8	-36.2	0.13		
10.50	68.97	1793.7	1779.1	1766.7	4.42	4.48	3.96	-22.5	-32.0	-36.3	0.13		
11.00	67.75	1828.0	1813.6	1801.5	4.29	4.20	3.60	-23.2	-31.1	-35.6	0.14		
11.50	66.59	1861.8	1847.4	1835.5	4.13	4.05	3.39	-24.3	-32.8	-35.8	0.15		
12.00	64.82	1894.8	1880.7	1869.0	3.88	3.88	3.26	-25.1	-30.7	-35.8	0.16		
12.50	63.83	1927.1	1913.1	1901.7	3.75	3.63	2.95	-25.6	-28.3	-37.1	0.19		
13.00	62.06	1958.9	1945.0	1933.7	3.44	3.42	2.76	-27.3	-27.5	-38.7	0.21		
13.50	60.56	1989.7	1976.1	1965.1	3.30	3.23	2.45	-28.5	-28.1	-41.9	0.23		
14.00	59.14	2019.8	2006.4	1995.6	2.95	2.94	2.19	-29.4	-27.6	-45.6	0.25		
14.50	57.48	2049.2	2035.9	2025.4	2.75	2.64	1.78	-29.4	-29.6	-46.1	0.27		
15.00	57.48	2077.7	2064.7	2054.4	2.62	2.51	1.51	-29.7	-28.8	-44.7	0.29		

