

Voltage Controlled Oscillator

ROS-2250W-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	93.12	1161.4	1136.9	1128.2	2.12	2.20	1.90	-19.4	-21.3	-38.5	0.52	1	-75
1.0	76.36	1250.8	1230.0	1222.7	2.56	2.73	2.44	-17.1	-24.1	-35.7	0.94	10	-100
2.0	72.22	1326.3	1306.4	1299.4	2.93	3.09	2.82	-16.0	-27.4	-35.8	1.09	100	-121
3.0	71.39	1398.0	1378.6	1372.0	3.19	3.36	3.11	-15.3	-31.4	-36.8	1.17	1000	-143
4.0	70.81	1468.8	1450.0	1443.3	3.38	3.64	3.36	-14.8	-32.8	-33.7	1.19		
5.0	70.60	1539.2	1520.8	1514.5	3.48	3.72	3.49	-14.6	-30.0	-29.4	1.15		
6.0	69.91	1609.2	1591.4	1585.4	3.50	3.72	3.52	-14.9	-26.5	-27.6	1.08		
7.0	69.09	1678.8	1661.3	1655.4	3.44	3.72	3.52	-15.5	-26.7	-26.9	1.05		
8.0	68.44	1747.6	1730.4	1724.7	3.43	3.74	3.55	-16.0	-25.8	-27.2	0.96		
9.0	68.01	1815.8	1798.9	1793.1	3.40	3.62	3.48	-17.2	-26.5	-27.3	0.87		
10.0	67.22	1883.5	1866.9	1861.2	3.38	3.50	3.37	-18.8	-26.6	-29.1	0.78		
11.0	66.26	1950.7	1934.1	1928.5	3.31	3.46	3.35	-20.7	-23.6	-28.0	0.64		
12.0	64.29	2016.7	2000.3	1994.6	3.22	3.46	3.33	-23.5	-20.1	-28.3	0.53		
13.0	61.88	2080.9	2064.6	2059.1	3.22	3.39	3.27	-27.0	-18.7	-27.8	0.34		
14.0	58.69	2142.8	2126.5	2121.0	3.06	3.28	3.19	-30.1	-18.0	-28.7	0.14		
15.0	54.91	2201.3	2185.2	2179.6	2.97	3.14	3.02	-29.0	-18.0	-29.2	0.01		
16.0	50.89	2256.3	2240.1	2234.7	2.88	2.95	2.87	-28.3	-19.0	-30.2	0.17		
17.0	45.34	2306.9	2291.0	2285.6	2.64	2.78	2.67	-27.1	-18.5	-31.8	0.34		
18.0	39.62	2352.8	2336.3	2330.9	2.45	2.51	2.41	-25.8	-18.7	-33.0	0.57		
19.0	32.85	2392.2	2376.0	2370.4	2.19	2.22	2.12	-25.1	-19.5	-36.5	0.70		
20.0	26.44	2425.8	2408.8	2403.2	1.94	1.96	1.87	-24.8	-20.1	-37.3	0.59		
21.0	20.88	2452.5	2435.3	2429.8	1.66	1.71	1.58	-25.4	-20.7	-37.4	0.26		
22.0	20.88	2473.3	2456.1	2450.6	1.38	1.39	1.30	-26.3	-21.7	-36.7	0.13		

