

Voltage Controlled Oscillator

ROS-2500W-319+

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	119.1	912.5	897.8	887.7	4.4	4.1	4.4	-14.5	-22.2	-24.1	0.7	1	-65
0.5	104.8	971.5	957.3	947.6	4.4	4.1	4.4	-14.3	-20.5	-24.7	1.1	10	-93
2.0	82.1	1121.4	1107.5	1097.8	3.5	3.7	4.1	-16.5	-18.3	-24.2	1.8	100	-116
3.0	80.1	1203.4	1189.6	1179.8	3.0	3.7	3.8	-20.2	-18.2	-24.6	2.0	1000	-138
4.0	81.3	1283.3	1269.6	1260.1	2.8	3.7	3.7	-23.2	-17.2	-23.1	2.1		
5.0	83.8	1364.4	1350.9	1341.9	2.4	3.3	3.1	-31.5	-17.1	-21.8	2.1		
6.0	85.4	1447.8	1434.7	1425.9	2.0	3.0	2.8	-24.5	-16.3	-20.2	2.0		
7.0	85.5	1532.9	1520.1	1511.5	1.8	2.8	3.1	-19.6	-16.8	-19.8	1.8		
8.0	83.6	1617.6	1605.6	1597.1	2.4	3.3	3.2	-19.7	-16.3	-20.6	1.6		
9.0	81.6	1700.8	1689.1	1681.0	2.4	3.4	3.1	-22.0	-15.8	-23.4	1.4		
10.0	79.0	1782.1	1770.7	1763.0	2.1	3.3	3.0	-25.9	-16.3	-23.9	1.3		
11.0	76.3	1861.2	1849.7	1842.5	2.4	3.2	3.6	-26.9	-15.6	-21.6	1.4		
12.0	73.5	1937.4	1926.0	1919.0	3.1	3.6	3.7	-21.2	-16.9	-26.1	1.7		
13.0	69.4	2011.3	1999.5	1991.8	2.6	3.8	3.4	-19.4	-16.4	-47.5	1.9		
14.0	65.1	2080.6	2068.9	2061.7	2.9	3.6	3.9	-19.6	-15.3	-51.1	2.2		
15.0	61.0	2145.7	2134.0	2127.1	3.5	3.8	3.3	-19.3	-19.0	-47.6	2.3		
16.0	56.4	2206.2	2195.0	2187.8	2.8	3.5	3.3	-17.1	-20.0	-39.0	2.4		
17.0	52.9	2263.3	2251.4	2244.9	3.1	3.6	3.1	-17.7	-19.9	-34.4	2.3		
18.0	49.2	2316.1	2304.4	2297.8	2.5	3.0	2.9	-17.2	-19.6	-32.2	2.6		
19.0	45.0	2365.6	2353.5	2346.9	2.1	3.1	2.3	-17.1	-18.6	-41.5	2.8		
20.0	41.6	2410.3	2398.5	2392.2	2.3	2.3	2.6	-16.2	-18.0	-43.7	3.2		
21.0	38.6	2452.8	2440.1	2433.1	1.4	2.5	1.9	-17.0	-15.9	-38.6	3.3		
22.0	35.4	2491.1	2478.8	2472.5	1.9	2.1	1.5	-16.9	-13.8	-37.0	3.4		
23.0	33.0	2526.6	2514.2	2507.2	1.1	1.8	2.1	-17.0	-12.2	-37.5	3.9		
24.0	30.6	2560.6	2547.1	2540.3	0.6	1.6	1.0	-17.0	-12.6	-42.2	3.7		
25.0	28.1	2590.8	2577.7	2571.2	0.9	0.9	0.6	-16.1	-16.7	-46.4	4.0		
26.0	26.8	2619.6	2605.8	2599.4	0.3	0.9	0.8	-16.2	-19.0	-43.4	4.2		
27.0	26.8	2646.2	2632.6	2625.8	-0.4	0.5	0.5	-15.7	-21.9	-44.5	4.5		