

Voltage Controlled Oscillator

ROS-2260W+

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	104.10	1159.4	1142.3	1128.0	8.62	9.17	9.39	-15.8	-17.0	-30.2	0.65	1	-74
0.5	89.61	1210.0	1194.3	1181.5	8.59	9.23	9.51	-16.1	-17.5	-30.5	0.91	10	-101
1.0	83.37	1254.6	1239.1	1226.2	8.44	9.03	9.38	-15.8	-17.7	-30.0	1.09	100	-122
1.5	79.70	1296.3	1280.8	1267.9	8.71	9.29	9.47	-16.3	-18.4	-29.7	1.21	1000	-142
2.0	77.47	1336.1	1320.7	1307.5	8.64	9.34	9.63	-16.6	-19.2	-29.3	1.35		
2.5	76.17	1375.1	1359.4	1346.0	8.80	9.40	9.59	-16.6	-20.2	-28.6	1.50		
3.0	74.79	1413.0	1397.5	1384.1	8.63	9.36	9.69	-16.9	-20.4	-26.5	1.62		
3.5	74.34	1450.5	1434.9	1421.3	8.82	9.34	9.50	-17.4	-20.7	-25.5	1.76		
4.0	73.31	1488.0	1472.0	1458.5	9.04	9.60	9.74	-18.1	-21.8	-25.7	1.87		
4.5	72.39	1524.4	1508.7	1495.1	8.98	9.64	9.87	-18.7	-21.7	-24.8	1.90		
5.0	71.43	1560.6	1544.9	1531.3	9.07	9.61	9.79	-18.6	-22.4	-25.0	2.02		
5.5	70.33	1596.2	1580.6	1567.0	9.12	9.65	9.81	-17.7	-22.9	-24.0	2.07		
6.0	69.69	1631.3	1615.8	1602.2	9.17	9.73	9.84	-16.5	-24.0	-24.5	2.11		
6.5	68.28	1666.0	1650.6	1637.1	9.40	9.83	9.85	-16.1	-24.9	-23.8	2.13		
7.0	68.17	1700.3	1684.7	1671.4	9.33	9.89	9.99	-16.2	-25.6	-24.1	2.17		
7.5	66.80	1733.8	1718.8	1705.5	9.09	9.71	9.84	-16.2	-26.5	-26.2	2.12		
8.0	66.89	1767.4	1752.2	1739.0	9.22	9.54	9.58	-16.5	-26.4	-32.5	2.12		
8.5	65.74	1800.6	1785.7	1772.7	9.30	9.79	9.72	-16.8	-27.0	-36.4	2.07		
9.0	65.57	1833.4	1818.6	1805.9	9.25	9.74	9.75	-17.0	-27.5	-32.0	2.06		
9.5	65.13	1866.2	1851.3	1838.9	9.18	9.68	9.69	-17.4	-27.7	-30.1	2.02		
10.0	65.10	1898.6	1883.9	1871.7	8.97	9.56	9.55	-18.0	-28.4	-28.7	1.86		
10.5	64.27	1931.0	1916.4	1904.2	8.80	9.31	9.35	-18.6	-29.5	-30.5	1.83		
11.0	63.78	1962.9	1948.6	1936.5	8.80	9.25	9.19	-19.6	-28.6	-30.8	1.69		
11.5	62.62	1994.6	1980.5	1968.5	8.90	9.33	9.21	-20.4	-31.5	-30.4	1.58		
12.0	62.06	2026.0	2011.8	2000.0	8.62	9.22	9.24	-21.0	-32.5	-31.7	1.45		
12.5	60.92	2057.2	2042.8	2031.2	8.40	8.91	8.94	-22.1	-31.3	-33.5	1.37		
13.0	59.41	2087.3	2073.3	2061.8	8.36	8.80	8.74	-23.0	-31.1	-34.4	1.21		
13.5	59.21	2117.4	2103.0	2091.6	8.22	8.70	8.67	-24.9	-34.5	-33.8	1.07		
14.0	56.44	2146.4	2132.6	2121.1	8.14	8.58	8.55	-26.8	-32.8	-34.2	0.97		
14.5	55.46	2174.7	2160.8	2149.5	8.01	8.49	8.43	-28.3	-35.8	-35.6	0.82		
15.5	51.50	2229.1	2215.5	2204.2	7.57	8.15	8.14	-30.7	-35.7	-40.5	0.62		
16.0	49.89	2255.2	2241.2	2230.2	7.37	7.89	7.91	-31.3	-34.4	-43.5	0.52		
17.0	44.98	2303.6	2289.8	2278.8	7.41	7.87	7.74	-31.1	-49.7	-43.9	0.18		
17.5	42.29	2326.2	2312.2	2301.2	7.33	7.83	7.81	-31.6	-37.0	-45.1	0.02		
18.5	36.60	2367.5	2353.4	2342.0	6.86	7.44	7.47	-29.0	-26.0	-48.3	0.17		
19.0	32.77	2385.5	2371.7	2360.6	6.73	7.27	7.25	-29.4	-25.7	-50.8	0.22		
20.0	27.96	2417.9	2403.4	2392.2	6.43	7.03	7.05	-28.5	-25.2	-56.7	0.00		
20.5	25.69	2431.9	2417.4	2405.9	6.31	6.91	6.97	-29.4	-22.9	-63.4	0.21		
21.5	19.99	2455.5	2441.6	2430.2	6.20	6.74	6.71	-28.6	-22.6	-63.3	0.73		
22.0	19.99	2466.0	2451.6	2440.6	6.23	6.70	6.68	-29.6	-21.2	-69.8	0.95		

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