

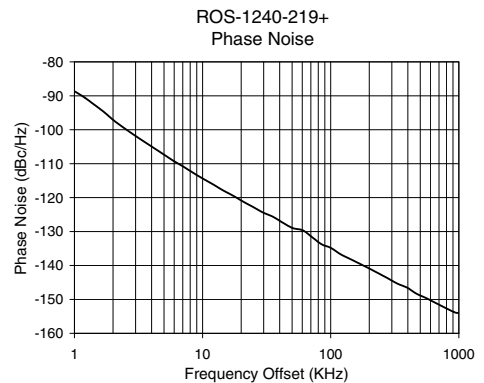
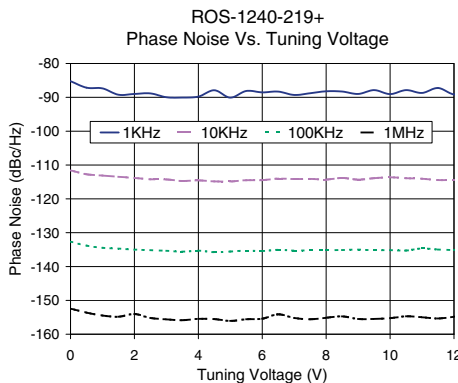
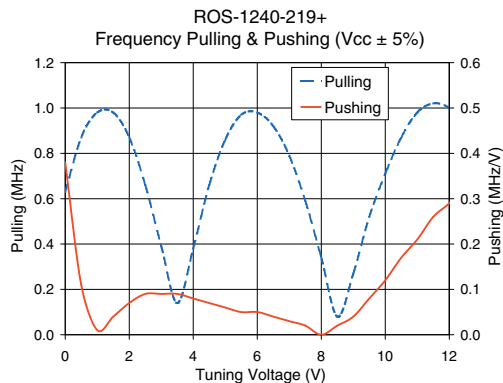
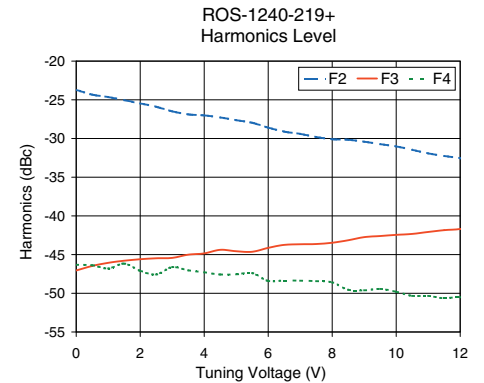
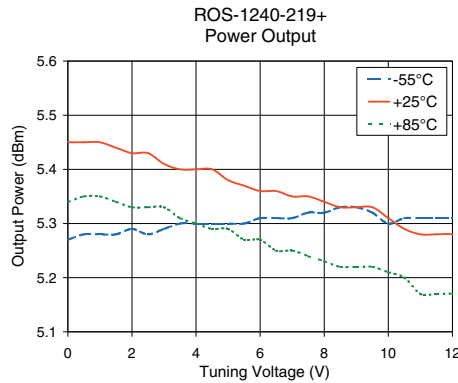
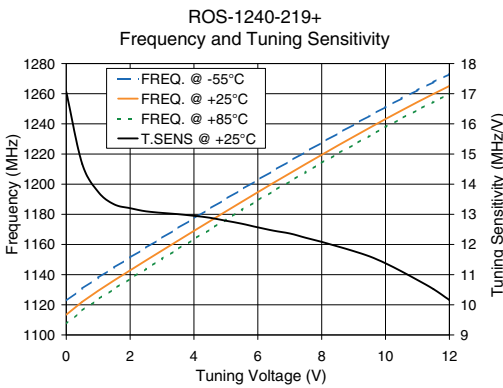


# Performance Data & Curves\*

# ROS-1240-219+

| V TUNE | TUNE SENS (MHz/V) | FREQUENCY (MHz) |        |        | POWER OUTPUT (dBm) |       |       | Icc (mA) | HARMONICS (dBc) |       |       | FREQ. PUSH (MHz/V) | FREQ. PULL (MHz) | PHASE NOISE (dBc/Hz) at offsets |        |        |        | FREQ OFFSET (KHz) | PHASE NOISE at 1200 MHz (dBc/Hz) |
|--------|-------------------|-----------------|--------|--------|--------------------|-------|-------|----------|-----------------|-------|-------|--------------------|------------------|---------------------------------|--------|--------|--------|-------------------|----------------------------------|
|        |                   | -55°C           | +25°C  | +85°C  | -55°C              | +25°C | +85°C |          | F2              | F3    | F4    |                    |                  | 1kHz                            | 10kHz  | 100kHz | 1MHz   |                   |                                  |
| 0.00   | 17.07             | 1122.6          | 1113.4 | 1107.2 | 5.27               | 5.45  | 5.34  | 23.01    | -23.7           | -47.1 | -46.3 | 0.38               | 0.63             | -85.2                           | -111.6 | -132.6 | -152.4 | 1.0               | -88.65                           |
| 0.50   | 14.67             | 1130.7          | 1122.0 | 1116.2 | 5.28               | 5.45  | 5.35  | 23.02    | -24.3           | -46.5 | -46.4 | 0.11               | 0.87             | -87.2                           | -112.7 | -133.8 | -153.6 | 2.0               | -97.08                           |
| 1.00   | 13.75             | 1137.9          | 1129.3 | 1123.6 | 5.28               | 5.45  | 5.35  | 23.03    | -24.7           | -46.1 | -46.8 | 0.01               | 0.98             | -87.4                           | -113.1 | -134.5 | -154.5 | 3.5               | -103.51                          |
| 2.00   | 13.20             | 1151.3          | 1142.9 | 1137.3 | 5.29               | 5.43  | 5.33  | 23.08    | -25.5           | -45.6 | -47.1 | 0.07               | 0.87             | -89.0                           | -113.8 | -135.0 | -154.0 | 6.0               | -109.29                          |
| 3.00   | 13.05             | 1164.4          | 1156.0 | 1150.5 | 5.29               | 5.41  | 5.33  | 23.13    | -26.5           | -45.4 | -46.6 | 0.09               | 0.39             | -90.0                           | -114.3 | -135.3 | -155.6 | 8.5               | -112.78                          |
| 3.50   | 13.01             | 1170.9          | 1162.5 | 1157.0 | 5.30               | 5.40  | 5.31  | 23.16    | -26.9           | -45.0 | -47.0 | 0.09               | 0.14             | -90.1                           | -114.7 | -135.6 | -155.9 | 10.0              | -114.35                          |
| 4.00   | 12.95             | 1177.3          | 1169.0 | 1163.5 | 5.30               | 5.40  | 5.30  | 23.19    | -27.0           | -44.9 | -47.3 | 0.08               | 0.38             | -89.8                           | -114.5 | -135.3 | -155.5 | 20.8              | -121.22                          |
| 4.50   | 12.89             | 1183.8          | 1175.5 | 1170.0 | 5.30               | 5.40  | 5.29  | 23.23    | -27.3           | -44.4 | -47.6 | 0.07               | 0.66             | -87.9                           | -114.8 | -135.8 | -155.5 | 35.5              | -125.66                          |
| 5.00   | 12.79             | 1190.2          | 1181.9 | 1176.5 | 5.30               | 5.38  | 5.29  | 23.27    | -27.6           | -44.6 | -47.6 | 0.06               | 0.86             | -90.1                           | -114.9 | -135.6 | -156.1 | 60.7              | -129.66                          |
| 5.50   | 12.69             | 1196.6          | 1188.3 | 1182.9 | 5.30               | 5.37  | 5.27  | 23.31    | -28.0           | -44.6 | -47.4 | 0.05               | 0.97             | -88.1                           | -114.5 | -135.3 | -155.6 | 85.2              | -133.79                          |
| 6.00   | 12.57             | 1202.9          | 1194.7 | 1189.3 | 5.31               | 5.36  | 5.27  | 23.35    | -28.6           | -44.1 | -48.4 | 0.05               | 0.98             | -88.5                           | -114.5 | -135.4 | -155.4 | 100.0             | -134.80                          |
| 6.50   | 12.46             | 1209.1          | 1201.0 | 1195.6 | 5.31               | 5.36  | 5.25  | 23.39    | -29.1           | -43.7 | -48.4 | 0.04               | 0.92             | -88.3                           | -114.0 | -135.1 | -154.1 | 142.9             | -138.15                          |
| 7.00   | 12.36             | 1215.3          | 1207.2 | 1201.8 | 5.31               | 5.35  | 5.25  | 23.43    | -29.4           | -43.7 | -48.4 | 0.03               | 0.79             | -89.3                           | -114.1 | -135.3 | -155.2 | 167.8             | -139.45                          |
| 8.00   | 12.09             | 1227.5          | 1219.5 | 1214.1 | 5.32               | 5.34  | 5.23  | 23.51    | -30.1           | -43.5 | -48.6 | 0.00               | 0.34             | -88.2                           | -114.3 | -135.2 | -155.2 | 200.6             | -140.91                          |
| 8.50   | 11.94             | 1233.6          | 1225.5 | 1220.2 | 5.33               | 5.33  | 5.22  | 23.54    | -30.2           | -43.2 | -49.5 | 0.02               | 0.08             | -88.3                           | -113.8 | -135.1 | -154.7 | 281.6             | -143.87                          |
| 9.00   | 11.78             | 1239.5          | 1231.5 | 1226.2 | 5.33               | 5.33  | 5.22  | 23.58    | -30.4           | -42.7 | -49.6 | 0.04               | 0.27             | -89.0                           | -114.3 | -135.0 | -155.5 | 330.7             | -145.35                          |
| 9.50   | 11.60             | 1245.4          | 1237.4 | 1232.1 | 5.32               | 5.33  | 5.22  | 23.63    | -30.7           | -42.6 | -49.4 | 0.08               | 0.52             | -87.9                           | -113.9 | -135.2 | -155.5 | 464.2             | -148.26                          |
| 10.00  | 11.38             | 1251.2          | 1243.2 | 1237.9 | 5.30               | 5.31  | 5.21  | 23.68    | -31.0           | -42.5 | -49.8 | 0.12               | 0.71             | -89.1                           | -113.6 | -135.2 | -155.3 | 554.9             | -149.59                          |
| 11.00  | 10.82             | 1262.3          | 1254.4 | 1249.2 | 5.31               | 5.28  | 5.17  | 23.77    | -31.9           | -42.1 | -50.3 | 0.21               | 0.98             | -88.7                           | -114.1 | -134.7 | -155.0 | 914.6             | -153.72                          |
| 12.00  | 10.16             | 1273.0          | 1265.1 | 1259.8 | 5.31               | 5.28  | 5.17  | 23.86    | -32.5           | -41.7 | -50.5 | 0.29               | 1.00             | -89.1                           | -114.4 | -135.1 | -154.9 | 1000.0            | -154.06                          |

\*at 25°C unless mentioned otherwise



For detailed performance specs & shopping online see web site

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