

# Voltage Controlled Oscillator

ROS-ED10466/2

## Typical Performance Data

| V<br>TUNE | TUNE<br>SENS<br>(MHz/V) | FREQUENCY<br>(MHz) |       |       | POWER OUTPUT<br>(dBm) |       |       | HARMONICS (dBc) |       |       | FREQ.<br>PUSH<br>(MHz/V) | FREQ<br>OFFSET<br>(KHz) | PHASE<br>NOISE<br>(dBc/Hz) |
|-----------|-------------------------|--------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|--------------------------|-------------------------|----------------------------|
|           |                         | -55°C              | +25°C | +85°C | -55°C                 | +25°C | +85°C | F2              | F3    | F4    |                          |                         |                            |
| 1.0       | 24.37                   | 215.2              | 212.6 | 210.6 | 3.13                  | 3.68  | 3.59  | -18.0           | -40.3 | -40.2 | 0.96                     | 1                       | -85                        |
| 2.0       | 19.78                   | 237.1              | 234.5 | 232.6 | 2.84                  | 3.41  | 3.40  | -20.1           | -40.5 | -40.3 | 0.83                     | 10                      | -110                       |
| 3.0       | 15.76                   | 255.1              | 252.5 | 250.4 | 2.32                  | 3.00  | 3.01  | -21.3           | -40.7 | -39.4 | 0.85                     | 100                     | -130                       |
| 4.0       | 11.55                   | 268.9              | 266.2 | 264.3 | 1.83                  | 2.55  | 2.54  | -21.7           | -38.6 | -38.7 | 0.81                     | 1000                    | -150                       |
| 5.0       | 8.25                    | 278.7              | 276.2 | 274.4 | 1.39                  | 2.09  | 2.08  | -21.7           | -36.8 | -38.7 | 0.86                     |                         |                            |
| 6.0       | 5.86                    | 285.6              | 283.3 | 281.6 | 0.94                  | 1.67  | 1.66  | -21.8           | -35.7 | -38.9 | 0.84                     |                         |                            |
| 7.0       | 4.19                    | 290.6              | 288.4 | 286.7 | 0.61                  | 1.37  | 1.43  | -21.8           | -35.2 | -38.3 | 0.77                     |                         |                            |