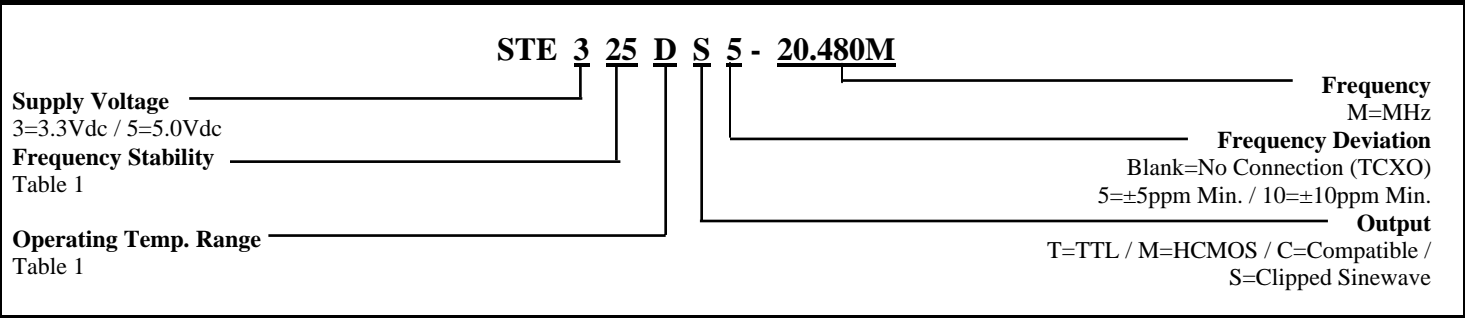


**PART NUMBERING GUIDE**

**Environmental/Mechanical Specifications on page F5**



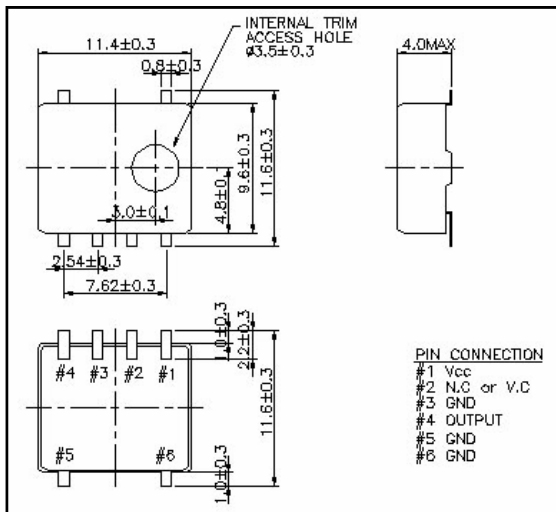
**ELECTRICAL SPECIFICATIONS**

Revision: 2003-C

|                             |  |                    |
|-----------------------------|--|--------------------|
| Frequency Range             | 9.600MHz to 35.000MHz  |                    |
| Frequency Stability         | All values inclusive of temperature, aging, and load<br>See Table 1 Above. |                    |
| Operating Temperature Range | See Table 1 Above.   |                    |
| Storage Temperature Range   | -40°C to 85°C  |                    |
| Supply Voltage              | 5 VDC ±5%  |                    |
| Load Drive Capability       | 10kOhms // 10pF  |                    |
| Output Voltage              | 1Vp-p Minimum  |                    |
| Internal Trim (Top of Can)  | ±3ppm Minimum  |                    |
| Control Voltage (External)  | 2.5Vdc ±2.0Vdc<br>Positive Transfer Characteristics                        |                    |
| Frequency Deviation         | ±5ppm Minimum Over Control Voltage   |                    |
| Aging (@ 25°C)              | ±1ppm / year Maximum   |                    |
| Frequency Stability         | Vs. Operating Temperature  | See Table 1 Above. |
|                             | Vs. Inpput Voltage (±5%)   | ±0.3ppm Maximum    |
|                             | Vs. Load (±2kOhms // ±2pF)   | ±0.3ppm Maximum    |
| Input Current               | 9.600MHz to 20.000MHz  | 1.5mA Maximum      |
|                             | 20.001MHz to 29.999MHz   | 2.0mA Maximum      |
|                             | 30.000MHz to 35.000MHz   | 3.0mA Maximum      |

**MECHANICAL DIMENSIONS**

Marking Guide on page F3-F4



| Operating Temperature | Frequency Stability (±ppm)<br>* Denotes Availability of Options | Frequency Stability (±ppm) |        |        |        |        |        |
|-----------------------|---|----------------------------|--------|--------|--------|--------|--------|
|                       |   | 1.5ppm                     | 2.0ppm | 2.5ppm | 3.0ppm | 3.5ppm | 5.0ppm |
| Range                 | Code  | 15                         | 20     | 25     | 30     | 35     | 50     |
| 0 to 50°C             | A   | *                          | *      | *      | *      | *      | *      |
| -10 to 60°C           | B   | *                          | *      | *      | *      | *      | *      |
| -20 to 70°C           | C   | *                          | *      | *      | *      | *      | *      |
| -30 to 60°C           | D   |                            | *      | *      | *      | *      | *      |
| -30 to 75°C           | E   |                            | *      | *      | *      | *      | *      |
| -35 to 85°C           | F   |                            |        | *      | *      | *      | *      |
| -40 to 80°C           | G   |                            |        |        | *      | *      | *      |