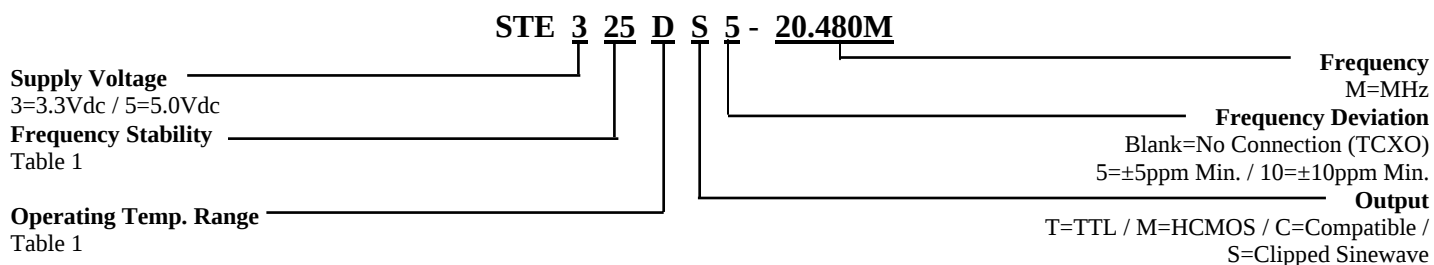


## PART NUMBERING GUIDE

## Environmental/Mechanical Specifications on page F5



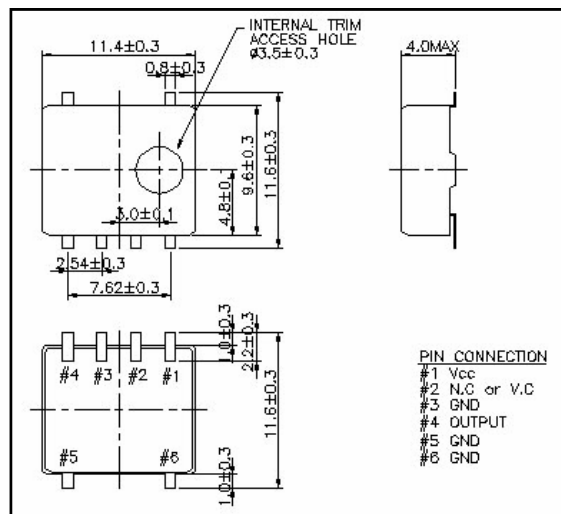
## ELECTRICAL SPECIFICATIONS

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 |        |        |        |        |        |
|-----------------------|------|-----------------------------------------------------------------|--------|--------|--------|--------|--------|
| Range                 | Code | 1.5ppm                                                          | 2.0ppm | 2.5ppm | 3.0ppm | 3.5ppm | 5.0ppm |
|                       |      | 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    |                                                                 |        |        | *      | *      | *      |