# MODEL ATXN6073A
## CRYSTAL

CTS WIRELESS COMPONENTS

## Features:

- Stable frequency over temperature and drive level
- Low Profile Seam Weld Package
- Optional machine readable crystal temperature characteristics


## Description and Applications:

Surface mount 3.2x5mm reference crystal for use in GSM handsets, 2-way radios, pagers, and other portable electronics requiring a stable frequency source.

## Electrical Specifications:

| **ATXN6073A** | **Specification** |
|---|---|
| Nominal Frequency | 26.0 Mhz |
| Mode of Vibration | Fundamental |
| Storage Temperature Range | -40 C to 85 C |
| Frequency Stability over Temperature | ± 11 PPM (-30 C to 85C) |
| Frequency perturbation | Max. <0.28PPM/degree C |
| Frequency Make Tolerance | ± 10 PPM @25 C +/- 3 C |
| Resonance Resistance | 35Ω Max. |
| Drive Level | 300 µW Max. 100 µW Nominal |
| Load Capacitance | 9.5 pf |
| Shunt Capacitance | 4.0 pf Max. |
| Insulation Resistance | 500 MΩ Min./DC 100V |
| Aging | +/-1PPM/Yr @25C; +/-5PPM Max over 10 Yr |
| Marking | Laser marking, print or machine readable |

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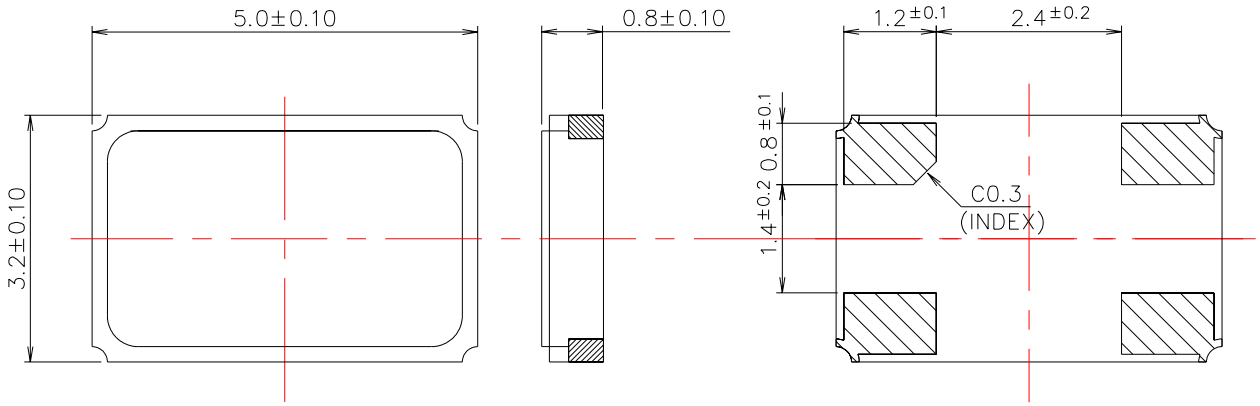
## Post Environmental Performance:

| | |
|---|---|
| **Mechanical Shock:**<br>@ a half sine pulse shock of 0.3 milliseconds duration and a peak level of 8700 g's | Δ Fs < +/- 2.0 PPM<br>Δ Rs < +/- 3 Ω or 10% |
| **Vibration:**<br>Per 2 x EIA RS-152-B | Δ Fs < +/- 2.0 PPM<br>Δ Rs < +/- 3 Ω or 10% |
| **Thermal Shock:**<br>Air to air @ -40°C to 85°C, 30 min. at each temperature with less than 20 sec. transition time for 32 cycles. Allow crystals to stabilize a minimum of 4 hours prior to re-test. | Δ Fs < +/- 2.0 PPM<br>Δ Rs < +/- 3 Ω or 10% |

## Mechanical Dimensions (mm):

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