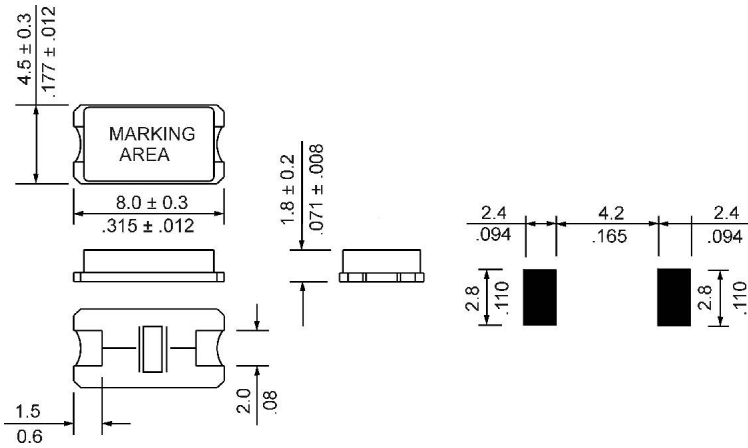


| REVISIONS | | | |
|-----------|-----------------|---------|----------|
| LTR | | DATE | APPROVED |
| A | INITIAL RELEASE | 4/21/03 | |
| | | | |

SPECIFICATIONS:

NOMINAL FREQUENCY: 33.000 MHz
 MODE OF OSCILLATION: FUNDAMENTAL
 FREQUENCY TOLERANCE AT 25°C: ±100 PPM MAX
 FREQUENCY STABILITY OVER TEMPERATURE RANGE: ±100 PPM MAX
 OPERATING TEMPERATURE RANGE: -10°C TO +60°C
 STORAGE TEMPERATURE RANGE: -40°C TO +85°C
 AGING: ±5 PPM PER YEAR MAX
 LOAD CAPACITANCE: 14 pF
 DRIVE LEVEL: 4 µW TYP, 100 µW MAX
 SHUNT CAPACITANCE: 7 pF MAX
 EQUIVALENT SERIES RESISTANCE: 100 OHMS MAX



RALTRON

10651 NW 19TH STREET
MIAMI, FL 33172

ALL DIMENSIONS ARE IN mm/inch
UNLESS OTHERWISE SPECIFIED

DRAWN BY: Part Generator

CHECKED BY:

APPROVED BY:

SCALE: SHEET 1 OF DATE:

CAGE CODE:



DRAWING TITLE:

**SURFACE MOUNT
MICROPROCESSOR CRYSTAL**

DRAWING NUMBER:

H180A-33.000-14-FUND