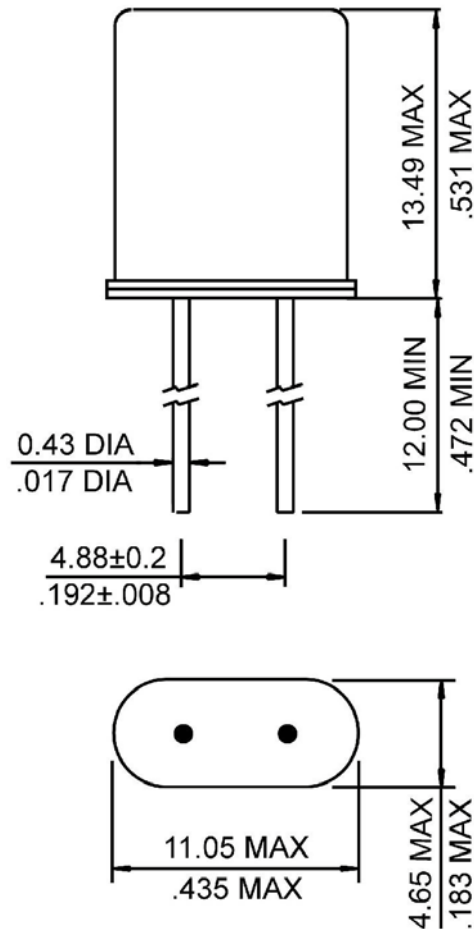




| REVISIONS |                 |         |          |
|-----------|-----------------|---------|----------|
| LTR       |                 | DATE    | APPROVED |
| A         | INITIAL RELEASE | 9/11/09 |          |
|           |                 |         |          |

#### SPECIFICATIONS:

|                               |                         |
|-------------------------------|-------------------------|
| NOMINAL FREQUENCY:            | 12.288 MHz              |
| MODE OF OSCILLATION:          | FUNDAMENTAL             |
| FREQUENCY TOLERANCE AT 25°C:  | ±30 PPM MAX             |
| FREQUENCY STABILITY OVER      |                         |
| TEMPERATURE RANGE:            | ±50 PPM MAX             |
| OPERATING TEMPERATURE RANGE:  | -20°C TO +70°C          |
| STORAGE TEMPERATURE RANGE:    | -55°C TO +125°C         |
| AGING:                        | ±5 PPM PER YEAR MAX     |
| LOAD CAPACITANCE:             | 20 pF                   |
| DRIVE LEVEL:                  | 100 µW TYP, 1000 µW MAX |
| SHUNT CAPACITANCE:            | 7 pF MAX                |
| EQUIVALENT SERIES RESISTANCE: | 25 OHMS MAX             |
| HOLDER TYPE:                  | HC-49/U AS SHOWN        |

ROHS COMPLIANT

CAGE CODE:  
Ø VUE Ø

|                                                             |                |       |
|-------------------------------------------------------------|----------------|-------|
| <b>RALTRON</b>                                              |                |       |
| 10651 NW 19TH STREET                                        |                |       |
| MIAMI, FL 33172                                             |                |       |
| ALL DIMENSIONS ARE IN mm/inch<br>UNLESS OTHERWISE SPECIFIED |                |       |
| DRAWN BY:                                                   | Part Generator |       |
| CHECKED BY:                                                 |                |       |
| APPROVED BY:                                                |                |       |
| SCALE:                                                      | SHEET 1 OF     | DATE: |

|                                    |  |
|------------------------------------|--|
| DRAWING TITLE:                     |  |
| <b>MICROPROCESSOR CRYSTAL UNIT</b> |  |
| DRAWING NUMBER:                    |  |
| <b>A-12.288-20-SL</b>              |  |