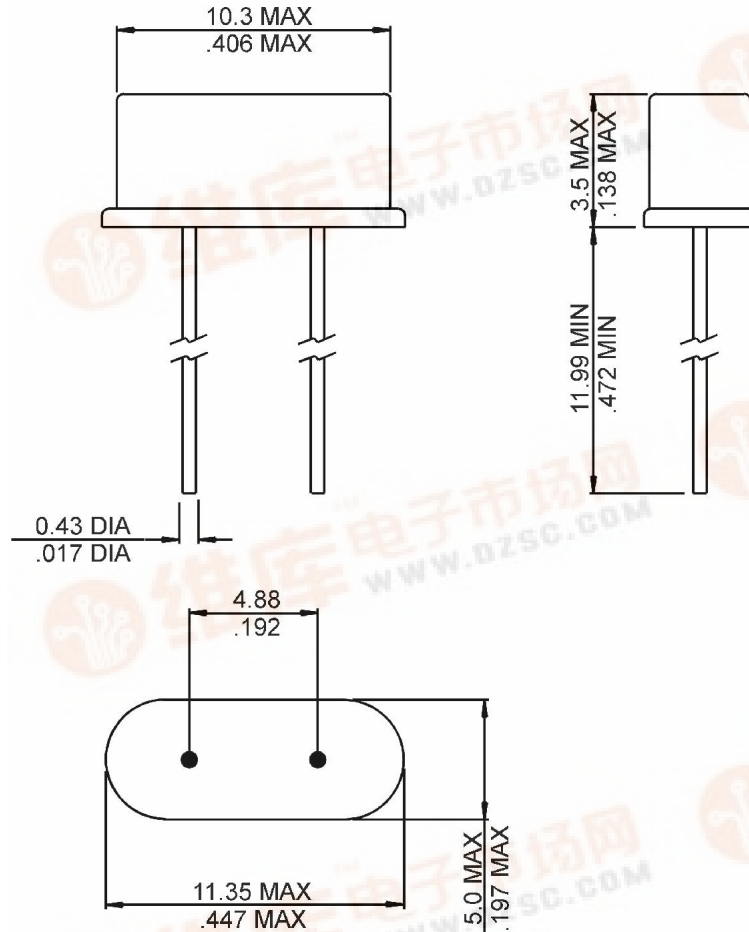


| REVISIONS |                 |        |          |
|-----------|-----------------|--------|----------|
| LTR       |                 | DATE   | APPROVED |
| A         | INITIAL RELEASE | 5/2/03 |          |
|           |                 |        |          |



# SPECIFICATIONS:

|                                             |                         |
|---------------------------------------------|-------------------------|
| NOMINAL FREQUENCY:                          | 12.000 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:               | 60 OHMS MAX             |
| HOLDER TYPE:                                | HC-49/S AS SHOWN        |

## 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:

Ø VUE Ø

DRAWING TITLE:

## LOW PROFILE MICROPROCESSOR CRYSTAL

DRAWING NUMBER:

AS-12.000-20

