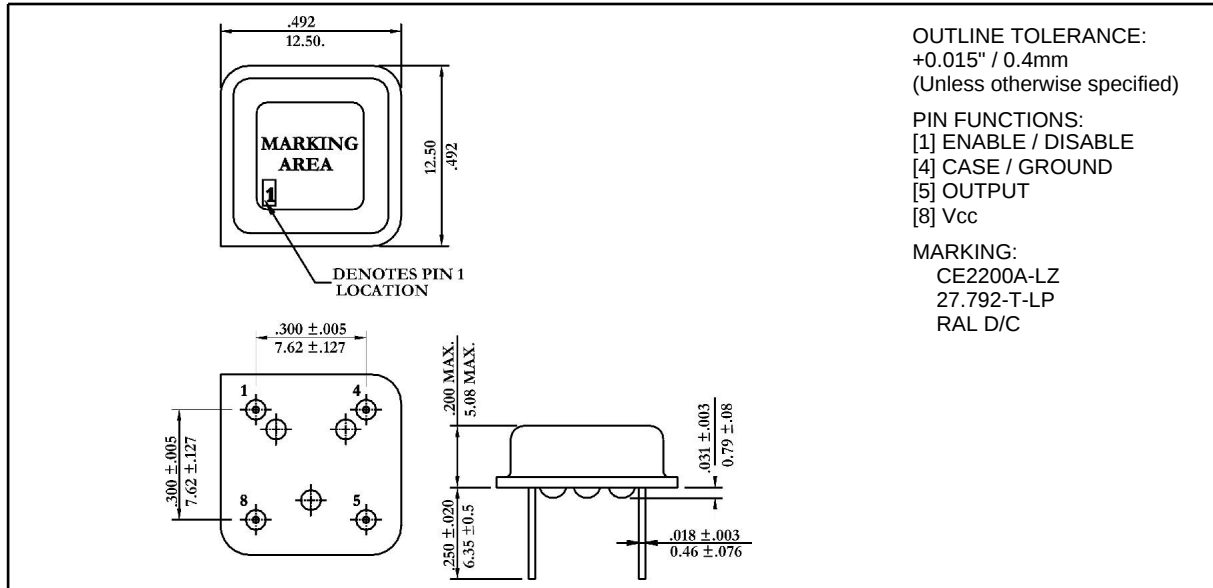


## CE2200A-LZ-27.792-T-LP

### APPROVALS

| RALTRON                         |                       |
|---------------------------------|-----------------------|
| Eng. approval, date:            | Name (please print):  |
| Sales approval, date:           | Title (please print): |
| Created by, date: PartGenerator | Signature, date:      |
| Revision:                       |                       |

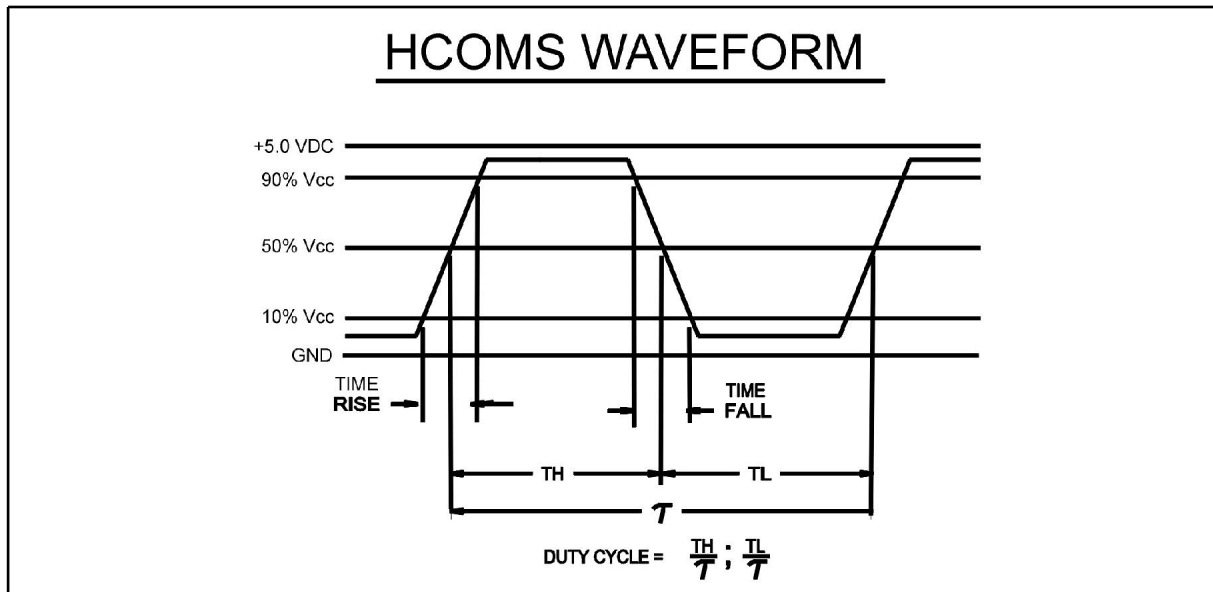
### MECHANICAL SPECIFICATION



### ELECTRICAL SPECIFICATION

| PARAMETER                     | SYMBOL    | CONDITIONS                                                                          | VALUE       | UNIT |
|-------------------------------|-----------|-------------------------------------------------------------------------------------|-------------|------|
| Frequency, nom                | fo        | -                                                                                   | 27.792      | MHz  |
| Supply Voltage, max.          | Vcc       | Vcc ±5%                                                                             | +5.0        | V    |
| Supply Current, max.          | Is        | Vcc=±5%, Ta=+25°C, 15 pF load                                                       | 35.0        | mA   |
| HCMOS output levels           | VOH / VOL | Vcc=+5.0VDC, load=15 pF                                                             | 4.5/0.5     | V    |
| Duty Cycle                    | DC        | load=15pF / @ 50%Vcc, Ta=+25°C                                                      | 45...55     | %    |
| Rise- / fall time, max.       | tr / tf   | 20%~80% Vout, 80%~20% Vout                                                          | 10.00       | ns   |
| Overall freq. stability, max. | Δf/fc     | Including temp., ±5% load & supply variations, calibration @+25°C and 10 year aging | 100.0       | ppm  |
| Operating temperature range   | Ta        | -                                                                                   | 0...70      | °C   |
| Storage temperature range     | T(stg)    | -                                                                                   | -55...125   | °C   |
| Absolute voltage Range        | Vcc (abs) | Non-destructive, DC                                                                 | -0.5...+7.0 | V    |

## ■ TIMING DIAGRAM



## ■ ELECTRICAL TEST DIAGRAM

