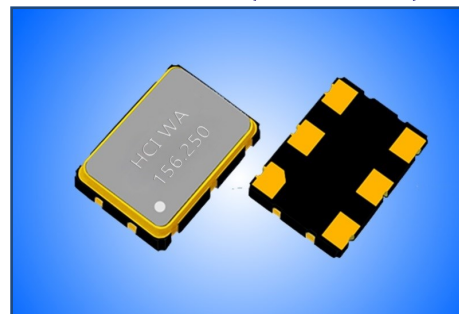


**VCXO UNIT WITH HCMOS OUTPUT IN SMD 3.2x2.5MM CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

- Small dimensions 3.2x2.5x1.0 with 6 solder pads.
- Tight stabilities over temperature range.
- Tristate enable/ disable function (pad 2).
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

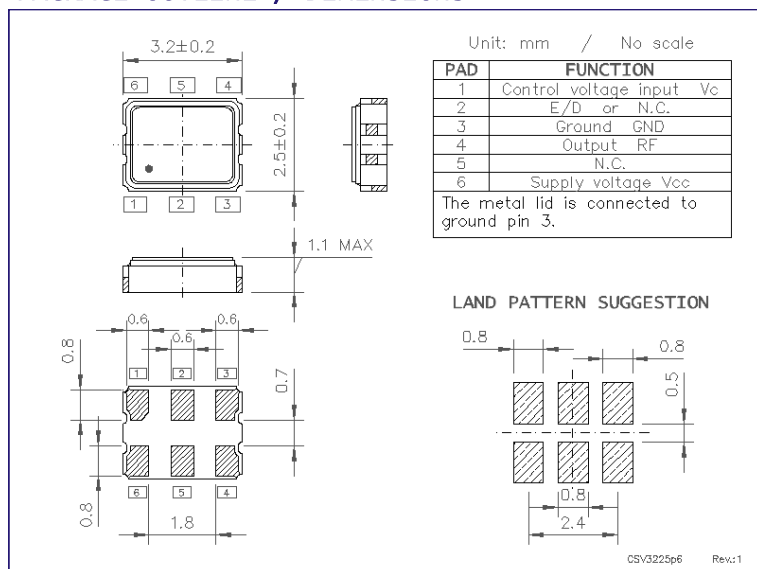
**APPLICATIONS**

- WiMAX / WLAN / Ethernet
- DSL / VoIP
- Cable modem
- Set-top box / HDTV

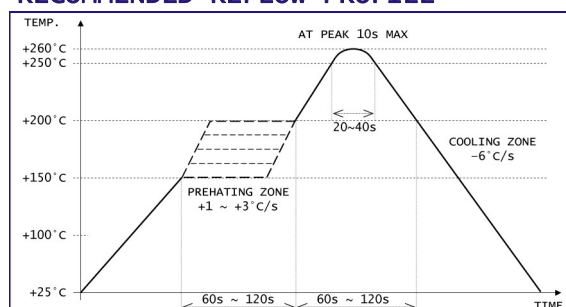
**PRODUCT PHOTO (NOT IN SCALE)**

**PRODUCT SPECIFICATIONS**

| PARAMETER                   | SUPPLY VOLTAGE                             |             |             | REMARKS                        |
|-----------------------------|--------------------------------------------|-------------|-------------|--------------------------------|
|                             | 1.8V                                       | 2.5V        | 3.3V        |                                |
| Frequency range             | 15 ~ 50MHz                                 | 10 ~ 250MHz | 10 ~ 250MHz | --                             |
| Frequency stability         | ±25ppm / ±50ppm / ±100ppm                  |             |             | See note below                 |
| Operating temperature range | -10 to +60°C / -20 to +70°C / -40 to +85°C |             |             | Options available              |
| Aging first year            | ±3.0ppm                                    |             |             | @+25°C                         |
| Frequency pulling range     | ±50ppm ~ ±200ppm                           |             |             | Depending on frequency         |
| Supply current              | 40mA                                       | 45mA        | 50mA        | @15pF                          |
| Output waveform and load    | LVCMOS 15pF                                |             |             | 30pF optional                  |
| Output voltage level HIGH   | 1.62V                                      | 2.25V       | 2.97V       | Minimum                        |
| Output voltage level LOW    | 0.18V                                      | 0.25V       | 0.33V       | Maximum                        |
| Rise and Fall times         | 6ns                                        |             |             | @10~90% of V <sub>CC</sub>     |
| Symmetry (duty cycle)       | 40~60% or 45~55%                           |             |             | @ 50%V <sub>CC</sub>           |
| Phase jitter RMS            | 0.8 ~ 1ps                                  |             |             | 12kHz ≤ F <sub>j</sub> ≤ 20MHz |
| Phase noise (27MHz)         | -132dBc                                    |             |             | @ 1kHz                         |
|                             | -147dBc                                    |             |             | @ 10kHz                        |
|                             | -152dBc                                    |             |             | @ 100kHz                       |

Note: Stability includes frequency deviations at +25°C, over temperature range, due to supply voltage changes, output load changes, shock and vibration.

**PACKAGE OUTLINE / DIMENSIONS**

**PACKAGING INFORMATION**

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 8mm.
- Component pitch in carrier 4mm.
- Reel diameter 180mm.
- QTY per reel: 3,000pcs

**RECOMMENDED REFLOW PROFILE**


单击下面可查看定价，库存，交付和生命周期等信息

[>>HCI\(杭晶\)](#)