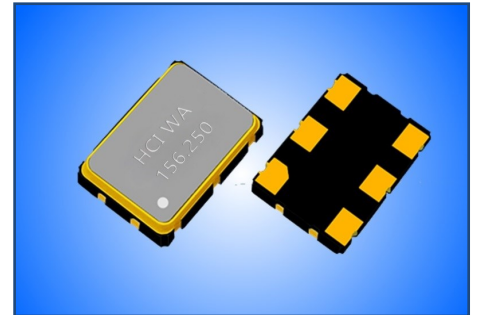


VCXO UNIT WITH HCMOS OUTPUT IN SMD 3.2x2.5MM CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

- 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.

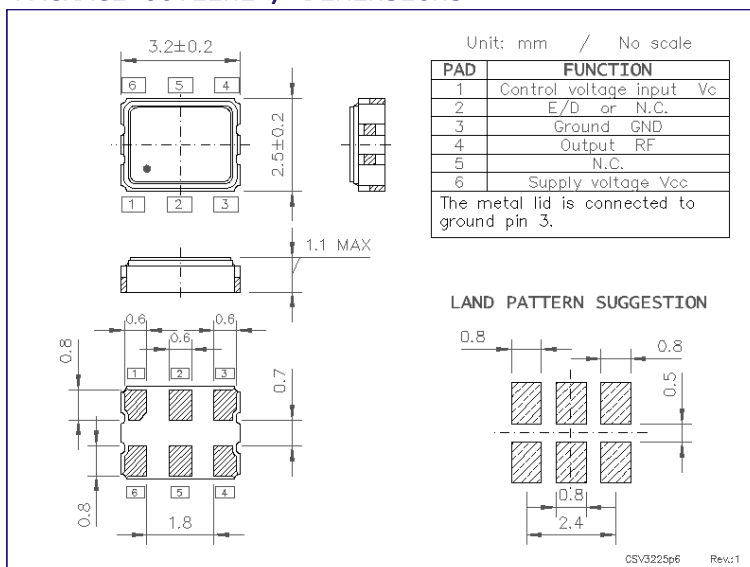
APPLICATIONS

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

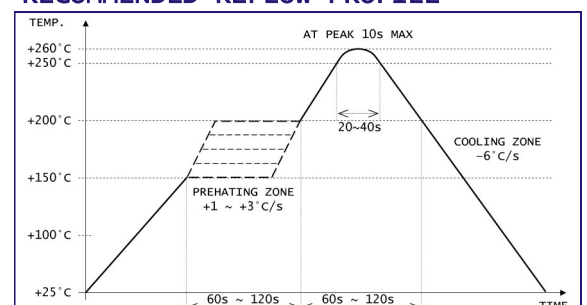
PRODUCT PHOTO (NOT IN SCALE)

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 _{CC} |
| Symmetry (duty cycle) | 40~60% or 45~55% | | | @ 50%V _{CC} |
| Phase jitter RMS | 0.8 ~ 1ps | | | 12kHz ≤ F _j ≤ 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


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[315LB3I1250T](#) [CVPD-922X-100.000](#) [FY3HCJM45.1584-BULK](#) [CVSS-945-125.000](#) [CVHD-957-24.576](#) [SiT3807AC-C2-33EB-12.288000Y](#)
[CVHD-950-122.880](#) [CVHD-950-80.000](#) [CVHD-950X-100.000](#) [CVHD-950X-122.88](#) [CVPD-920-100.000](#) [ASG-P-V-A-1.000GHZ](#)
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