

TCXO UNIT WITH CLIPPED SINE WAVE OUTPUT IN SMD 2.5x2.0MM CERAMIC SEAM SEAL PACKAGE.

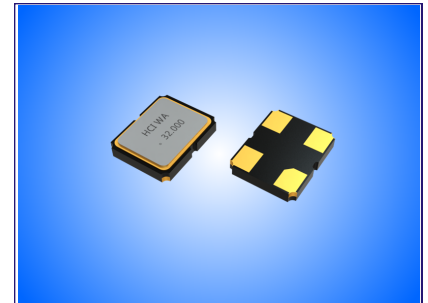
PRODUCT FEATURES

- Small dimensions 2.5x2.0x0.9 with 4 solder pads.
- Tight stabilities over temperature range.
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

APPLICATIONS

- WiMAX / WLAN / Ethernet
- Telecommunication
- Mobil applications

PRODUCT PHOTO (NOT IN SCALE)

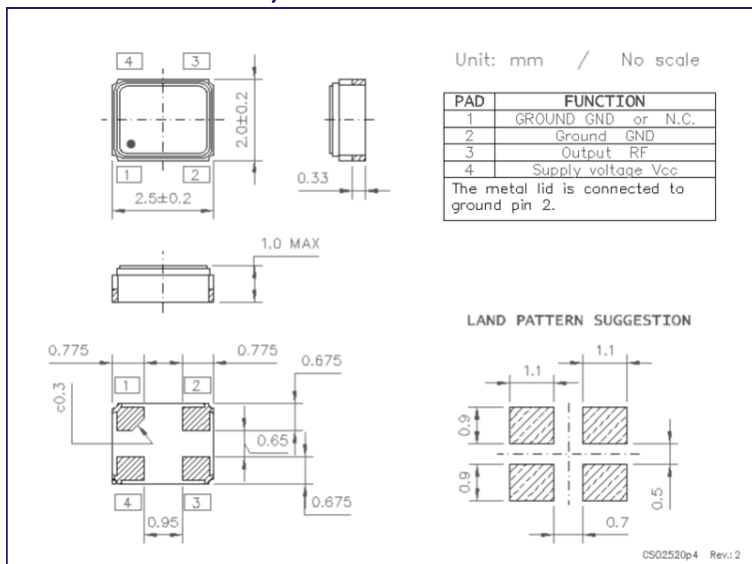


PRODUCT SPECIFICATIONS

| PARAMETER | SUPPLY VOLTAGE | | | REMARKS |
|-------------------------------|--|------|----------------|--------------------------------------|
| | 1.8V | 2.5V | 2.8/ 3.0/ 3.3V | |
| Frequency range | 10 ~ 52MHz | | | -- |
| Frequency tolerance | ±2.0ppm | | | Initial tol. @+25°C |
| Frequency stability | ±0.5ppm; ±1.0ppm; 1.5ppm; ±2.0ppm; ±2.5ppm | | | See note below table |
| Operating temperature range | -20 to +70°C / -30 to +85°C / -40 to +85°C | | | In combination to above stabilities. |
| Aging per year | ±1.0ppm | | | @+25°C |
| Output waveform | Clipped Sine Wave | | | -- |
| Output load | 10kΩ/10pF | | | -- |
| Output voltage level | 0.8vp-p | | | Minimum |
| Phase noise (example 19.2MHz) | -115dBc/Hz / -135dBc/Hz / -148dBc/Hz | | | @100Hz / 1kHz / 10kHz |
| Phase jitter RMS | <1ps | | | 12kHz≤Fj≤20MHz |
| Supply current | 1.5mA / 2.0mA | | | @10kΩ/10pF (higher value >26MHz) |

Note: Frequency stability is the frequency deviation over temperature range in reference to +25°C

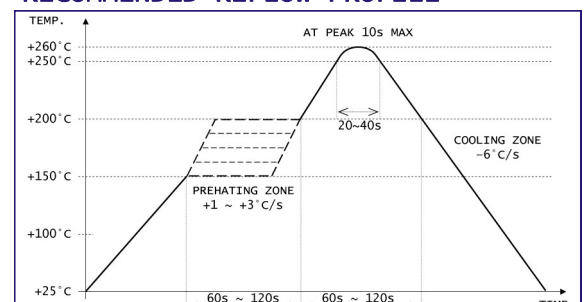
PACKAGE OUTLINE / DIMENSIONS



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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