

TCXO UNIT WITH LVDS OUTPUT IN SMD 3.2x2.5mm CERAMIC SEAM SEAL PACKAGE.

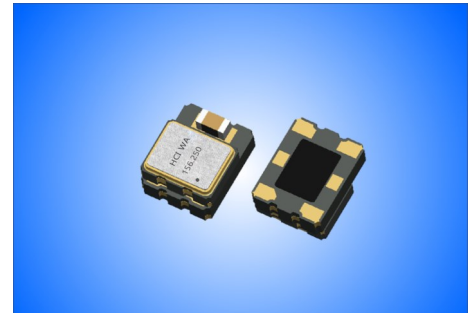
PRODUCT FEATURES

- Small dimensions 3.2x2.5x1.6 with 6 solder pads.
- Tight stabilities over temperature range.
- wide frequency range.
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

APPLICATIONS

- High-Speed Gigabit Ethernet
- Broadband Access
- Microprocessors/DSP/FPGA
- Smart Grid

PRODUCT PHOTO (NOT IN SCALE)

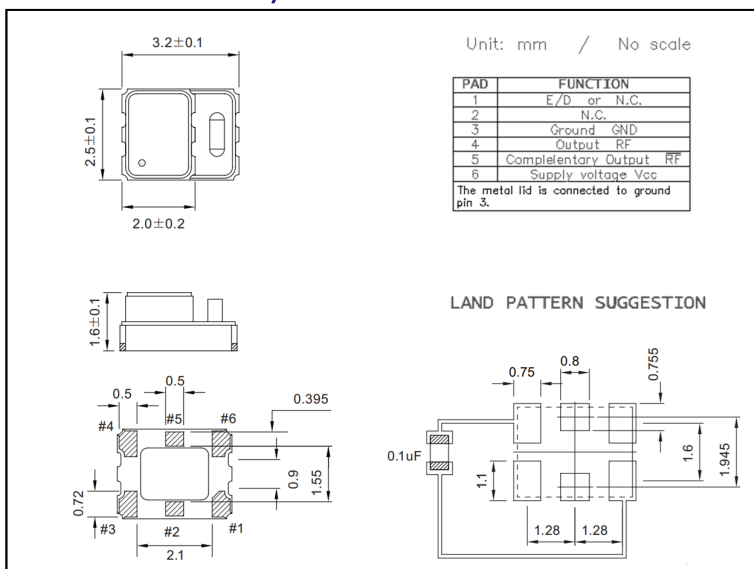


PRODUCT SPECIFICATIONS

| PARAMETER | TC32D6 | CONDITIONS / REMARKS |
|-----------------------------|---|--|
| Nominal frequency range | 10 ~ 1500MHz | Fund., Overtone or PLL |
| Supply voltage | 2.5V _{DC} / 3.3V _{DC} | Other option possible |
| Supply current | 45mA | Maximum |
| Frequency tolerance | ±2.0ppm | |
| Frequency stability | ±2.5ppm / ±3.0ppm | See note below. |
| Operating temperature range | -30 to +85°C or -40 to 85°C | Other options available. |
| Output waveform and load | LVDS / 100Ω | R _L between outputs |
| Output voltage level HIGH | 1.40V | Typical |
| Output voltage level LOW | 1.10V | Typical |
| Rise and Fall times | 0.5ns | |
| Symmetry (duty cycle) | 45~55% | @ outputs cross point |
| Phase Jitter RMS | 0.8ps typical | Integrated 12kHz≤F _J ≤20MHz |

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: 1,000pcs

RECOMMENDED REFLOW PROFILE

