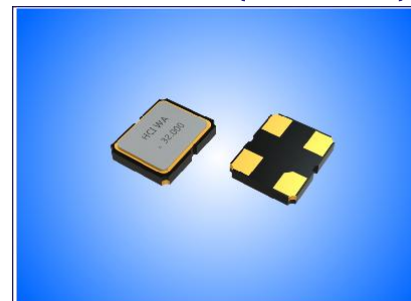


TCXO UNIT WITH CLIPPED SINE WAVE OUTPUT IN SMD 2.5x2.0mm CERAMIC SEAM SEAL PACKAGE.

### 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.

### PRODUCT PHOTO (NOT IN SCALE)



### APPLICATIONS

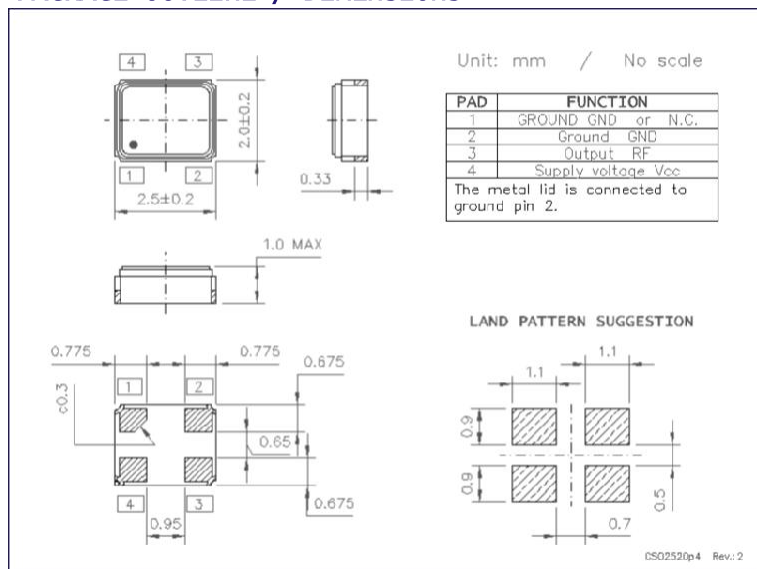
- WiMAX / WLAN / Ethernet
- Mobil applications
- Telecommunication

### 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

