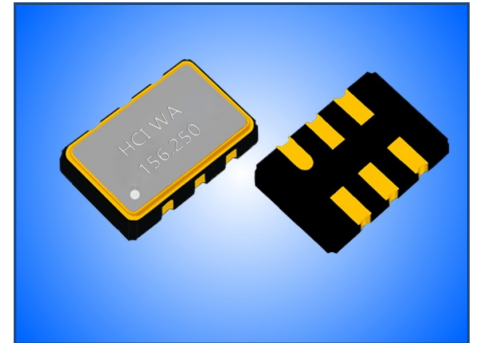


**OSCILLATOR UNIT WITH HCSL OUTPUT IN SMD 5.0x3.2MM CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

- Small dimensions 5.0x3.2x1.3 with 6 solder pads.
- Highly reliable seam sealed ceramic package.
- wide frequency range.
- Low jitter and phase noise.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

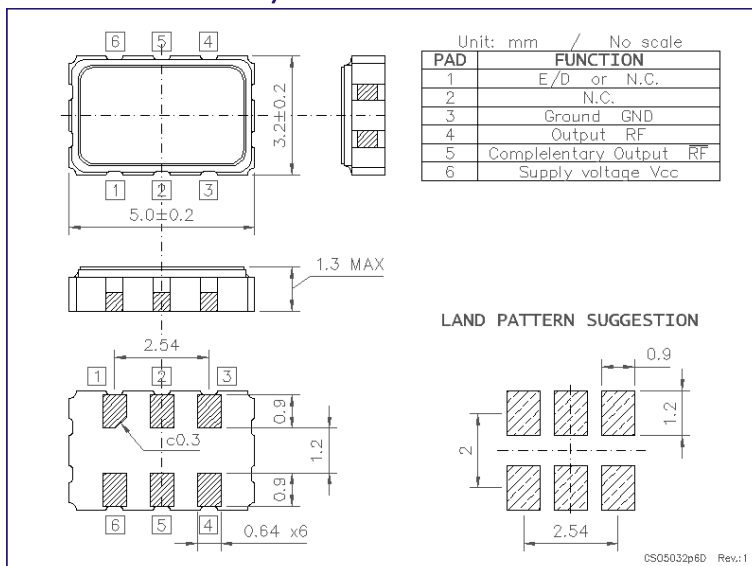
**APPLICATIONS**

- High speed communication
- Handheld equipment
- Telecom equipment

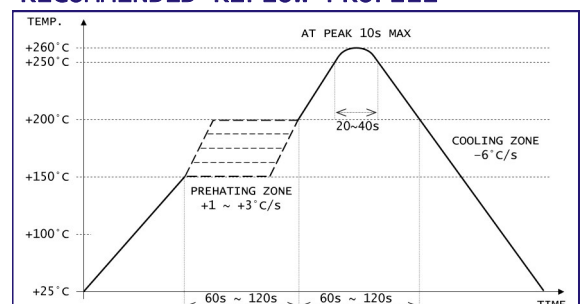
**PRODUCT PHOTO (NOT IN SCALE)**

**PRODUCT SPECIFICATIONS**

| PARAMETER                   | 1553C                                   | CONDITIONS / REMARKS                     |
|-----------------------------|---|--|
| Nominal frequency range     | 10 ~ 220MHz                             | Fund., Overtone or PLL                   |
| Supply voltage              | 2.5V <sub>DC</sub> / 3.3V <sub>DC</sub> | Other option possible                    |
| Supply current              | 40mA                                    | Maximum, Fund mode lower I <sub>CC</sub> |
| Frequency stability         | ±25ppm / ±50ppm / ±100ppm               | See note below.                          |
| Operating temperature range | -10 to +70°C or -40 to 85°C             | Other options available.                 |
| Output waveform and load    | HCSL / 50Ω                              | RL to Ground on each output              |
| Output voltage level HIGH   | 0.74V                                   | Typical                                  |
| Output voltage level LOW    | 0V                                      | Typical                                  |
| Rise and Fall times         | 0.5ns                                   | @ 20~80~20%V <sub>CC</sub>               |
| Symmetry (duty cycle)       | 45~55%                                  | @ outputs cross point                    |
| Phase Jitter RMS            | <1ps                                    | Integrated 12kHz≤F <sub>j</sub> ≤20MHz   |

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 12mm.
- Component pitch in carrier 8mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs

**RECOMMENDED REFLOW PROFILE**


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