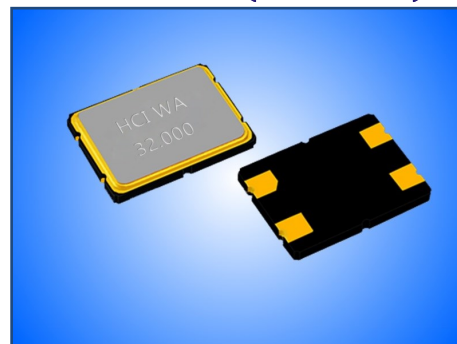


**QUARTZ CRYSTAL UNIT IN SMD 7.0x5.0MM CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

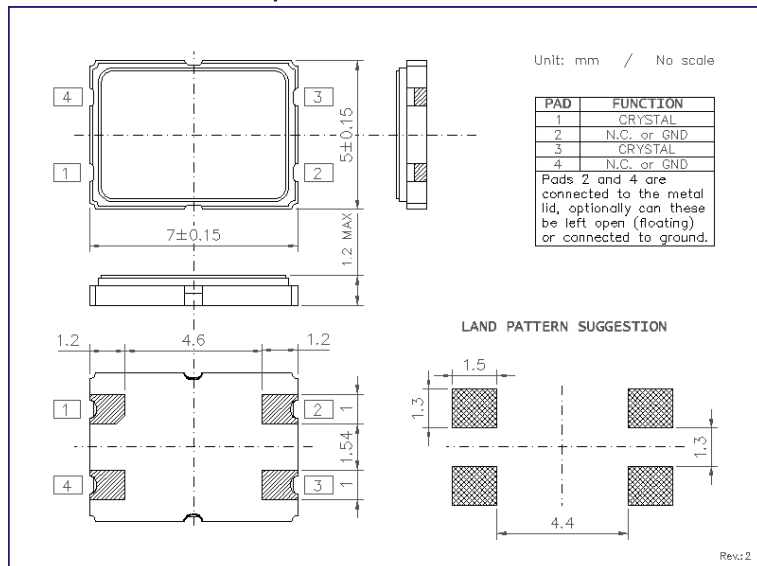
- Dimensions 7.0x5.0x1.0 / 4 pads.
- Highly reliable seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

**PRODUCT PHOTO (NOT IN SCALE)**

**APPLICATIONS**

- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

**PRODUCT SPECIFICATIONS**

| PARAMETER                    | 0175M4                   |              | CONDITIONS / REMARKS                                |            |
|------------------------------|--------------------------|--------------|---|------------|
| Nominal frequency range      | 6.000 ~ 100.000MHz       |              | Fundamental up to 55MHz and 3rd overtone available. |            |
| Crystal cut and mode         | AT-cut / FUND & 3rd OT   |              |   |            |
| Frequency tolerance          | ±10ppm / ±20ppm / ±30ppm |              | Other options available.                            |            |
| Frequency stability          | ±10ppm                   | ±15ppm       | Other options available.                            |            |
| Operating temperature range  | -20 to +70°C             | -30 to +85°C | Other options available.                            |            |
| Equivalent series resistance | <b>FUND</b>              | <b>ESR</b>   | <b>3rd OT</b>                                       | <b>ESR</b> |
|                              | 6.0 to 8.0MHz            | <100Ω        | 40.0 to 84.0MHz                                     | <80Ω       |
|                              | 8.1 to 10.0MHz           | <80Ω         | 84.1 to 100.0MHz                                    | <60Ω       |
|                              | 10.1 to 16.0MHz          | <50Ω         |   |            |
| 16.1 to 55.0MHz              | <40Ω                     |              |   |            |
| Load capacitance             | 6 ~ 32pF or SERIES       |              | Please specify.                                     |            |
| Shunt capacitance            | <6.0pF                   |              | --  |            |
| Drive level                  | 100μW TYP / 500μW MAX    |              | --  |            |
| Storage temperature range    | -55 to +125°C            |              | --  |            |

**PACKAGE OUTLINE / DIMENSIONS**

**PACKAGING INFORMATION**

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 16mm.
- Component pitch in carrier 8mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs MAX.

**RECOMMENDED REFLOW PROFILE**


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