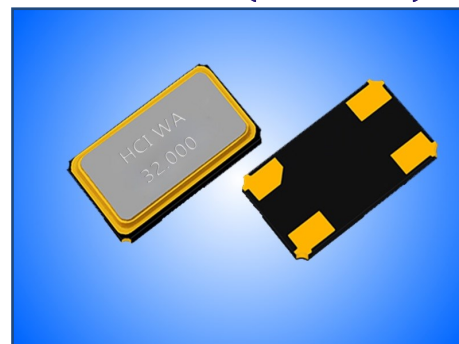


**QUARTZ CRYSTAL UNIT IN SMD 6.0x3.5MM CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

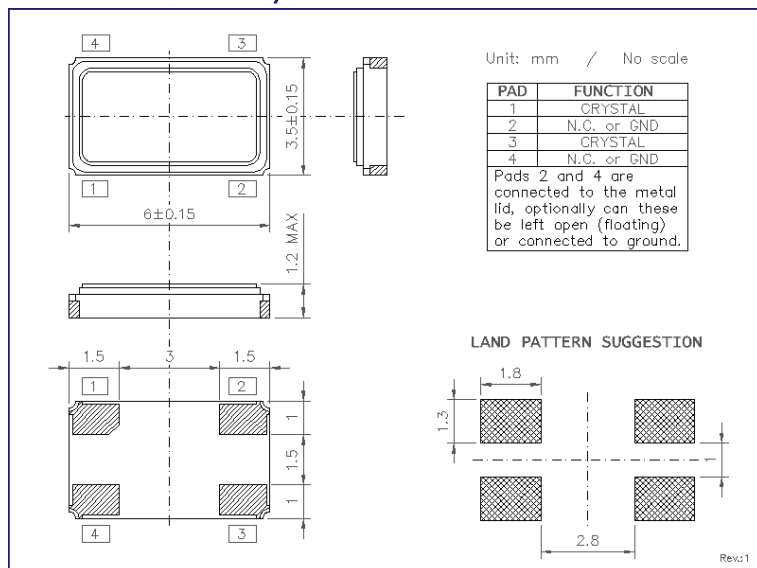
- Dimensions 6.0x3.5x1.0 with 4 solder pads.
- Highly reliable seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

**APPLICATIONS**

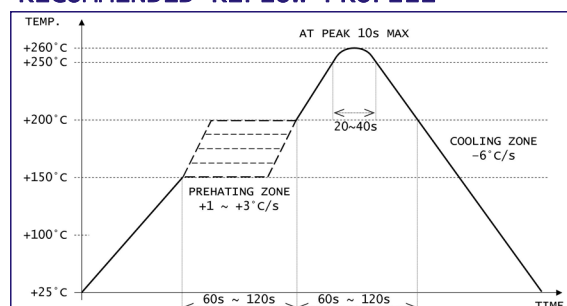
- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

**PRODUCT PHOTO (NOT IN SCALE)**

**PRODUCT SPECIFICATIONS**

| PARAMETER                    | 0163M4                   |              | CONDITIONS / REMARKS                                |            |
|------------------------------|--------------------------|--------------|---|------------|
| Nominal frequency range      | 8.000 ~ 80.000MHZ        |              | 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>   | 16.1 to 20.0MHZ                                     | <45Ω       |
|                              | 8.0MHZ                   | <100Ω        | 20.1 to 55.0MHZ                                     | <40Ω       |
|                              | 8.1 to 10.0MHZ           | <80Ω         | <b>3rd OT</b>                                       | <b>ESR</b> |
|                              | 10.1 to 12.0MHZ          | <60Ω         | 30.0 to 48.0MHZ                                     | <100Ω      |
|                              | 12.1 to 16.0MHZ          | <50Ω         | 48.1 to 80.0MHZ                                     | <80Ω       |
| Load capacitance             | 6 ~ 32pF or SERIES       |              | Please specify.                                     |            |
| Shunt capacitance            | <5.0pF                   |              | --  |            |
| 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 12mm.
- Component pitch in carrier 8mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs MAX.

**RECOMMENDED REFLOW PROFILE**


单击下面可查看定价，库存，交付和生命周期等信息

[>>HCI\(杭晶\)](#)