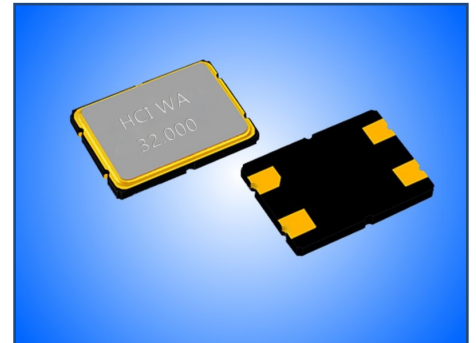


QUARTZ CRYSTAL UNIT IN SMD 7.0x5.0MM CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

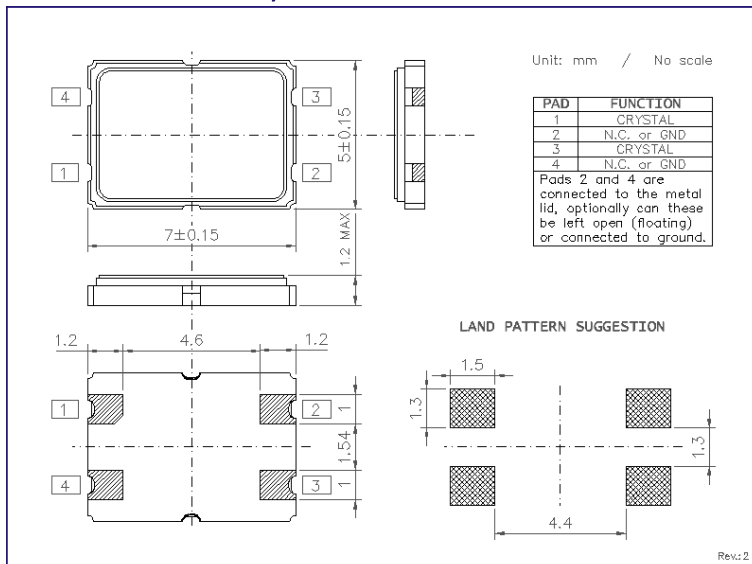
- Dimensions 7.0x5.0x1.0 / 4 pads.
- Highly reliable seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

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 | FUND | ESR | 3rd OT | ESR |
| | 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
