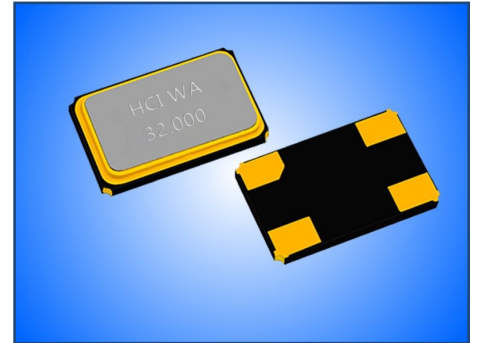


**QUARTZ CRYSTAL UNIT IN SMD 5.0x3.2MM CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

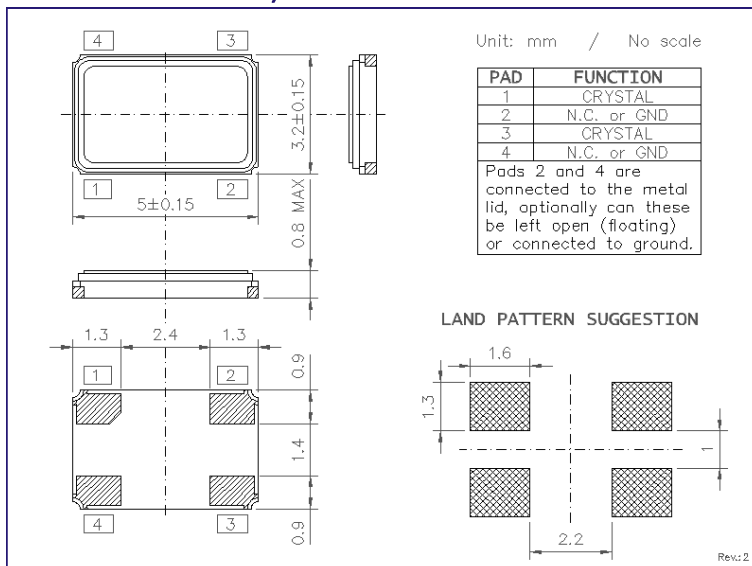
- Small dimensions 5.0x3.2x0.7 with 4 solder pads.
- Highly reliable seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- ROHS compliant, LEAD-FREE and HALOGEN-FREE.

**APPLICATIONS**

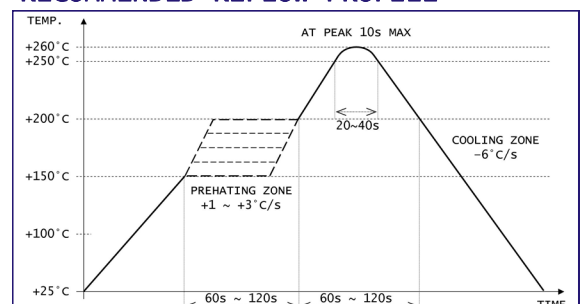
- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

**PRODUCT PHOTO (NOT IN SCALE)**

**PRODUCT SPECIFICATIONS**

| PARAMETER                    | XC53M4                   |              | CONDITIONS / REMARKS     |
|------------------------------|--------------------------|--------------|--------------------------|
| Nominal frequency range      | 8.000 ~ 55.000MHz        |              | --                       |
| Crystal cut and mode         | AT-cut / Fundamental     |              | --                       |
| 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 | <80Ω                     |              | 8.000 to 9.999MHz        |
|                              | <70Ω                     |              | 10.000 to 11.999MHz      |
|                              | <60 ~ 50Ω                |              | 12.000 to 19.999MHz      |
|                              | <50 ~ 40Ω                |              | 20.000 to 55.000MHz      |
| Load capacitance             | 6 ~ 32pF or SERIES       |              | Please specify.          |
| Shunt capacitance            | <5.0pF                   |              | --                       |
| Drive level                  | 100μw TYP / 300μw 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**


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