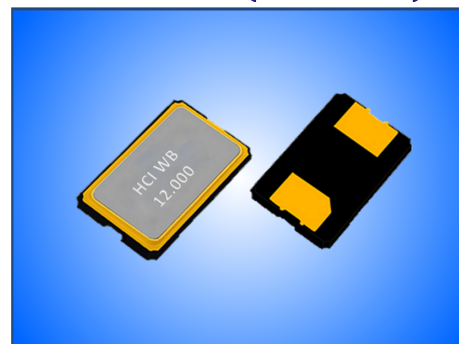


**QUARTZ CRYSTAL UNIT IN SMD 6.0x3.5mm CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

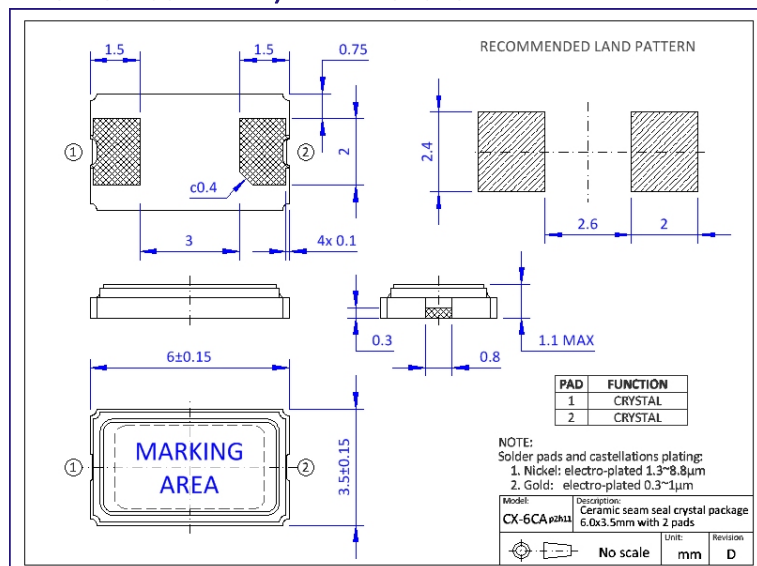
- Dimensions 6.0x3.5x1.0 with 2 solder pads.
- Highly reliable seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

**APPLICATIONS**

- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

**PRODUCT PHOTO (NOT IN SCALE)**

**PRODUCT SPECIFICATIONS**

| PARAMETER                    | XC63M2                   |              |                 | 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 | FUND                     | ESR          | 16.1 to 20.0MHz | <45Ω                                                |  |
|                              | 8.0MHz                   | <100Ω        | 20.1 to 55.0MHz | <40Ω                                                |  |
|                              | 8.1 to 10.0MHz           | <80Ω         | 3rd OT          | ESR                                                 |  |
|                              | 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**
