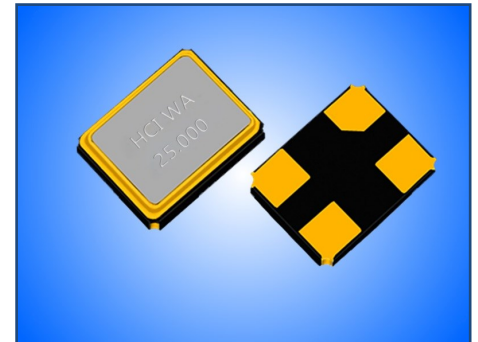


QUARTZ CRYSTAL UNIT IN SMD 2.0x1.6MM CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

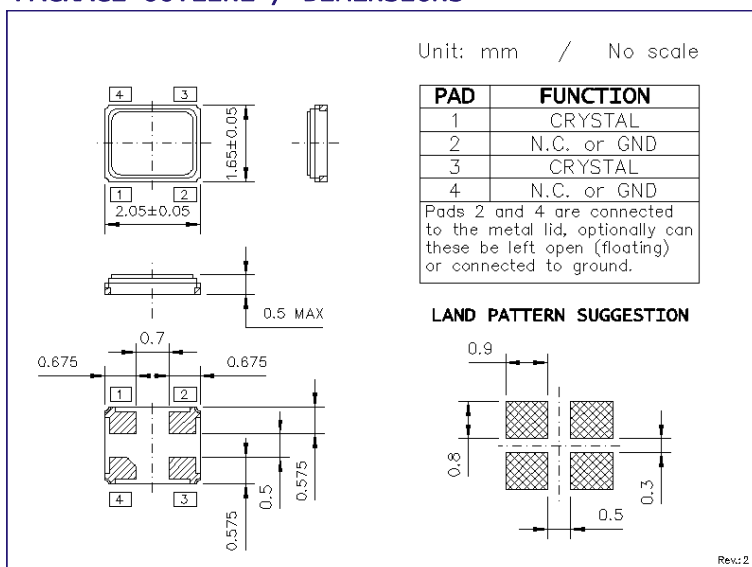
- Ultra-miniature unit dimensions 2.0x1.6x0.45 with 4 pads.
- Highly reliable vacuum seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

PRODUCT PHOTO (NOT IN SCALE)

APPLICATIONS

- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

PRODUCT SPECIFICATIONS

| PARAMETER | XC21M4 | | CONDITIONS / REMARKS |
|------------------------------|--------------------------|--------------|--------------------------|
| Nominal frequency range | 20.000 ~ 60.000MHz | | -- |
| Crystal cut and mode | AT-cut / Fundamental | | -- |
| Frequency tolerance | ±10ppm / ±20ppm / ±30ppm | | Other options available. |
| Frequency stability | ±15ppm | ±20ppm | Other options available. |
| Operating temperature range | -20 to +70°C | -30 to +85°C | Other options available. |
| Equivalent series resistance | <125Ω | | 20.000 to 23.999MHz |
| | <100Ω | | 24.000 to 29.999MHz |
| | <80Ω | | 30.000 to 39.999MHz |
| | <60Ω | | 40.000 to 60.000MHz |
| Load capacitance | 6 ~ 32pF or SERIES | | Please specify. |
| Shunt capacitance | <3.0pF | | -- |
| Drive level | 10μW TYP / 100μW MAX | | -- |
| Storage temperature range | -55 to +125°C | | -- |

PACKAGE OUTLINE / DIMENSIONS

PACKAGING INFORMATION

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 8mm.
- Component pitch in carrier 4mm.
- Reel diameter 180mm.
- QTY per reel: 3,000pcs MAX.

RECOMMENDED REFLOW PROFILE
