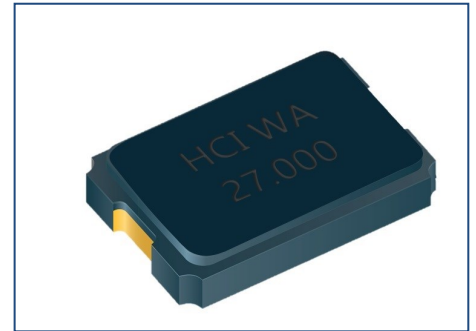


QUARTZ CRYSTAL UNIT IN SMD 5.0x3.2MM GLASS SEAL PACKAGE.
PRODUCT FEATURES

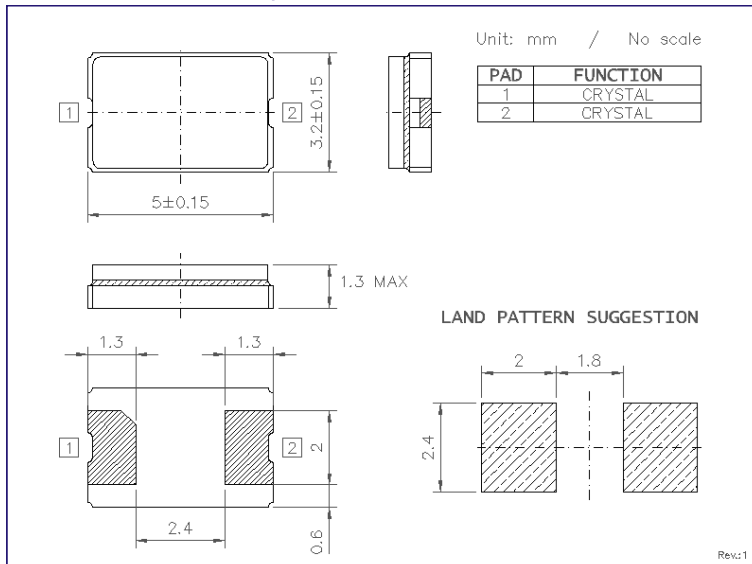
- Dimensions 5.0x3.2x1.3 with 2 solder pads.
- Low cost ceramic glass seal package.
- Tight tolerances and stabilities over temperature range.
- RoHS compliant by exemption and HALOGEN-FREE.

APPLICATIONS

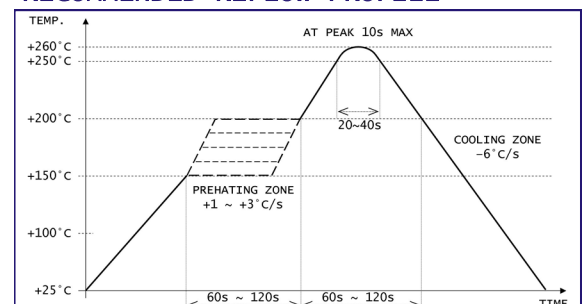
- Motherboard
- Computer peripherals
- Handheld equipment

PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

| PARAMETER | XC53G2 | | CONDITIONS / REMARKS |
|------------------------------|------------------------------|--------------|--|
| Nominal frequency range | 8.0 ~ 80.0MHz | | Fundamental up to 50MHz and 3rd overtone from 40MHz. |
| Crystal cut and mode | AT-cut / FUND & 3rd Overtone | | |
| Frequency tolerance | ±10ppm to ±50ppm | | Other options available. |
| Frequency stability | ±10ppm | ±30ppm | Other options available. |
| Operating temperature range | -20 to +70°C | -40 to +85°C | Other options available. |
| Equivalent series resistance | 80Ω | | FUND - 8.0 ~ 12.0MHz |
| | 60Ω | | FUND - 12.1 ~ 20.0MHz |
| | 50Ω | | FUND - 20.1 ~ 50.0MHz |
| | 120Ω | | 3rd OT - 40.0 ~ 60.0MHz |
| | 100Ω | | 3rd OT - 60.1 ~ 80.0MHz |
| Load capacitance | 6 ~ 32pF or SERIES | | Please specify. |
| Shunt capacitance | <5pF | | -- |
| Drive level | 10μW TYP / 200μW MAX | | -- |
| Aging | ±3ppm | | Per year |

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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