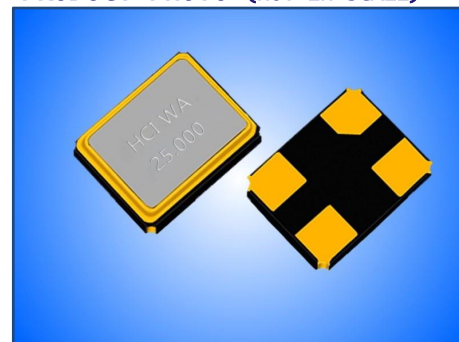


QUARTZ CRYSTAL UNIT IN SMD 1.6x1.2MM CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

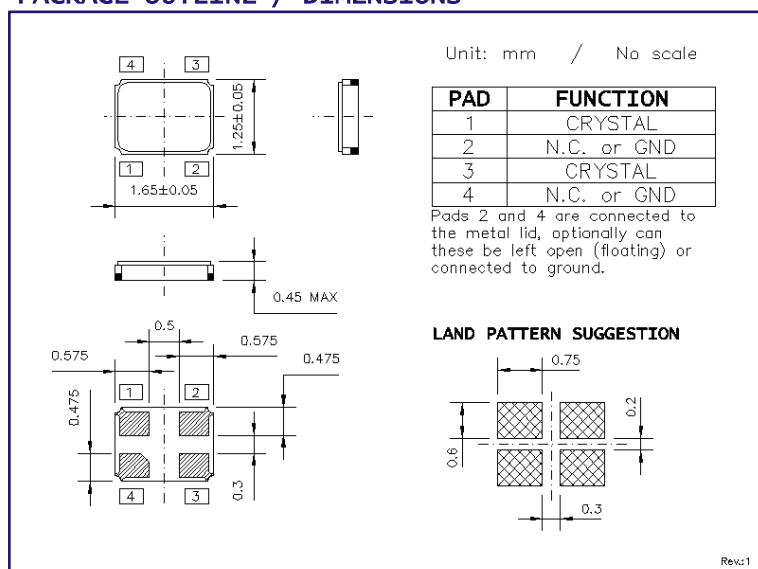
- Ultra-miniature unit dimensions 1.6x1.2x0.42 with 4 pads.
- Highly reliable vacuum seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200 available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

APPLICATIONS

- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

PARAMETER	0111M4	CONDITIONS / REMARKS
Nominal frequency range	24.000 ~ 60.000MHz	--
Crystal cut and mode	AT-cut / Fundamental	--
Frequency tolerance	±10pm / ±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	<150Ω	24.000 to 25.999MHz
	<125Ω	26.000 to 29.999MHz
	<100Ω	30.000 to 39.999MHz
	<80Ω	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
