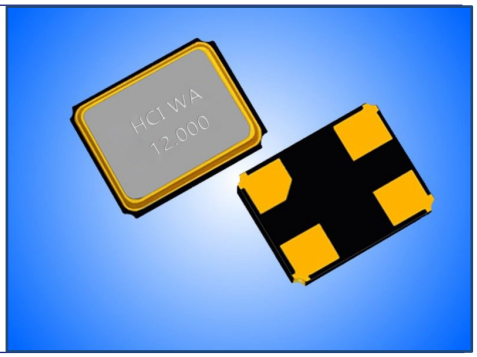
Hang Crystal International

QUARTZ CRYSTAL UNIT
0132M4

QUARTZ CRYSTAL UNIT IN SMD 3.2X2.5MM CERAMIC SEAM SEAL PACKAGE.

PRODUCT FEATURES

- Small dimensions 3.2x2.5x0.6 with 4 solder pads.
- Highly reliable vacuum seam sealed ceramic package.
- Tight tolerances and stabilities over temperature range.
- Automotive compliance to AEC-Q200.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.



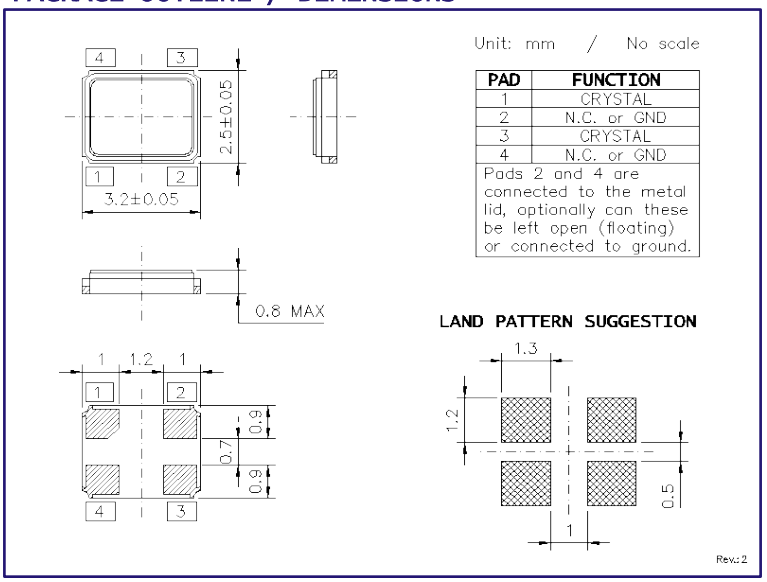
APPLICATIONS

- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

PRODUCT SPECIFICATIONS

PARAMETER	0132M4	CONDITIONS / REMARKS
Nominal frequency range	8.000 ~ 60.000MHz	--
Crystal cut and mode	AT-cut / Fundamental	--
Frequency tolerance	±10ppm or ±20ppm or ±30ppm	Other options available.
Frequency stability	±10ppm to ±30ppm	Other options available.
Operating temperature range	-20 to +70°C or -30 to +85°C	Other options available.
	-40 to +85°C or -40 to +105°C	
	-40 to +125°C or -55 to +85°C	
	-55 to +105°C or -55 to +125°C	
Equivalent series resistance	<100Ω	12.000 to 15.999MHz
	<80Ω	16.000 to 18.999MHz
	<60Ω	19.000 to 29.999MHz
	<40Ω	30.000 to 54.000MHz
Load capacitance	6 ~ 32pF or SERIES	Please specify.
Shunt capacitance	<3.0pF	--
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 8mm.
- Component pitch in carrier 4mm.
- Reel diameter 180mm.
- QTY per reel: 3,000pcs MAX.

RECOMMENDED REFLOW PROFILE

