Hang Crystal International

QUARTZ CRYSTAL UNIT

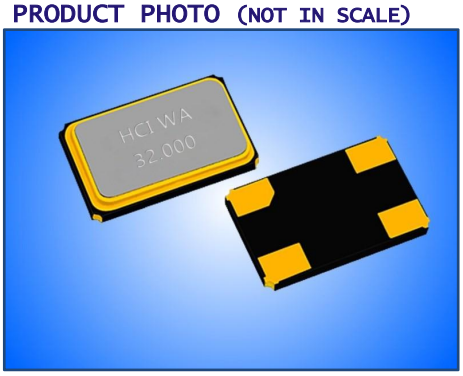
0153M4

QUARTZ CRYSTAL UNIT IN SMD 5.0X3.2MM CERAMIC SEAM SEAL PACKAGE.

PRODUCT FEATURES

- Small dimensions 5.0x3.2x0.7 with 4 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.

PRODUCT PHOTO (NOT IN SCALE)



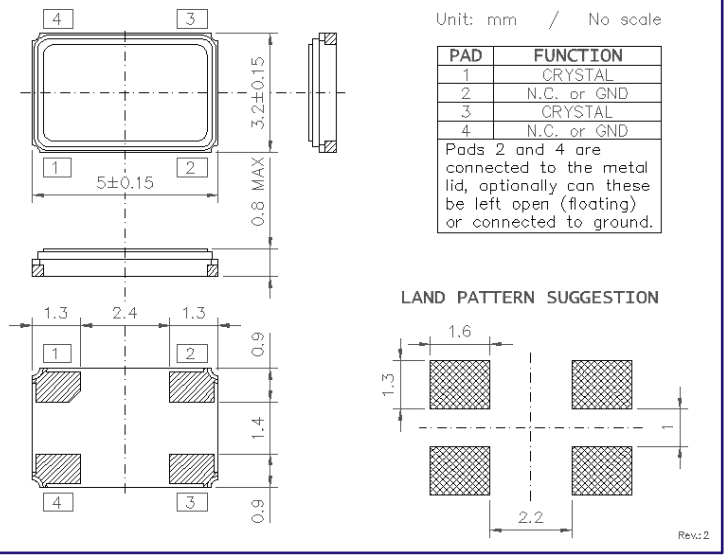
APPLICATIONS

- Wireless LAN
- Bluetooth
- Mobil communication
- Handheld equipment

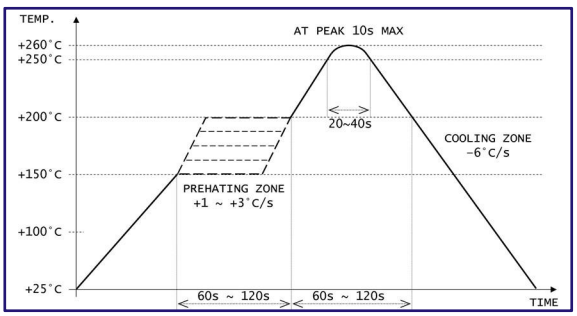
PRODUCT SPECIFICATIONS

PARAMETER	0153M4		CONDITIONS / REMARKS
Nominal frequency range	8.000 ~ 55.000MHz		--
Crystal cut and mode	AT-cut / Fundamental		--
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	<80Ω		8.000 to 9.999MHz
	<70Ω		10.000 to 11.999MHz
	<60 ~ 50Ω		12.000 to 19.999MHz
	<50 ~ 40Ω		20.000 to 55.000MHz
Load capacitance	6 ~ 32pF or SERIES		Please specify.
Shunt capacitance	<5.0pF		--
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 12mm.
- Component pitch in carrier 8mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs MAX.

RECOMMENDED REFLOW PROFILE