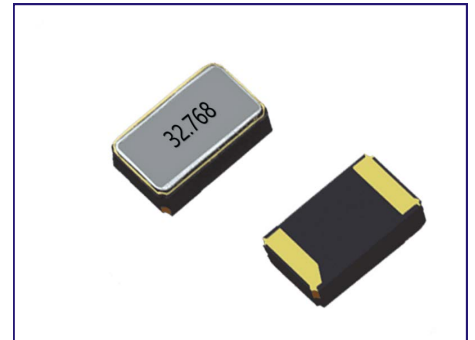


TUNING FORK CRYSTAL IN SMD 1.6x1.0mm CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

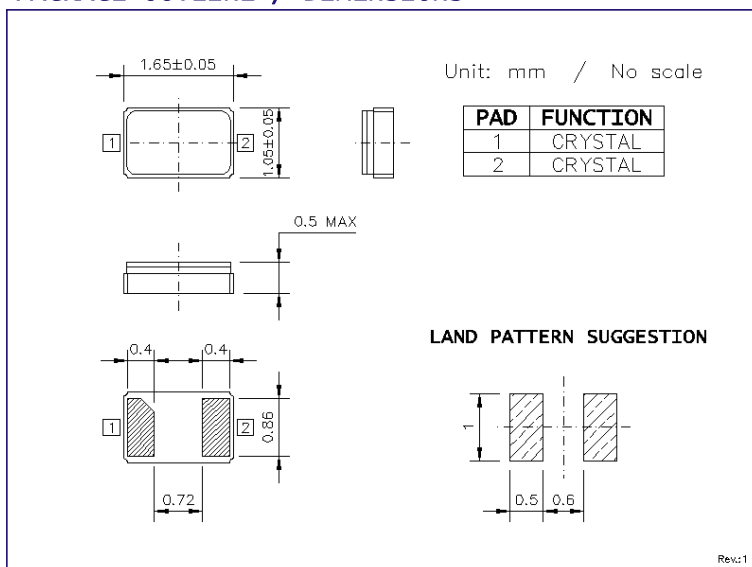
- Small dimensions 1.6x1.0x0.5mm with 2 solder pads.
- Highly reliable vacuum seam sealed ceramic package.
- Usable for high temperature reflow.
- ROHS compliant, LEAD-FREE and HALOGEN-FREE.

APPLICATIONS

- Mobil communication devices
- Handheld equipment

PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

PARAMETER	3111M2	CONDITIONS / REMARKS
Nominal frequency range	32.768kHz	
Crystal mode	Fundamental	
Frequency tolerance	±20ppm / ±30ppm / ±50ppm	Other options available.
Stability over temperature	-0.04ppm/Δ°C ² MAX	Parabolic coefficient.
Operating temperature range	-40 to +85°C	Other options available.
Turning point temperature	25±5°C	
Equivalent series resistance	<90kΩ	At 12.5pF ESR<80kΩ
Shunt capacitance (TYP)	1.2pF	
Motional capacitance (TYP)	6.0fF	
Load capacitance	9pF / 12.5pF	Please specify.
Drive level	0.1μW TYP / 0.5μW MAX	
Aging per year	±3ppm	At +25°C
Storage temperature range	-50 to +100°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
