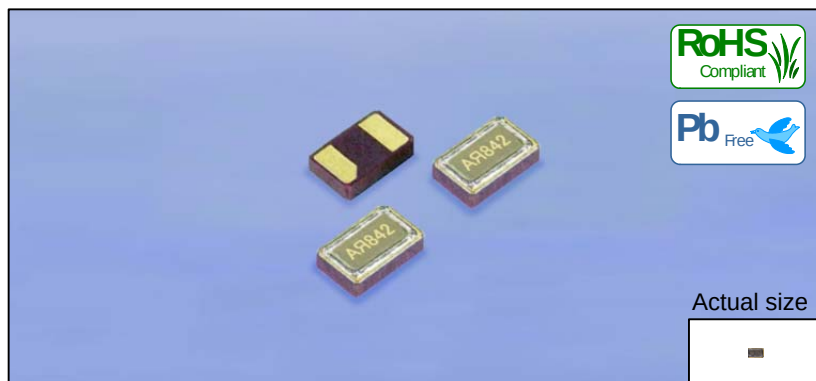


SURFACE MOUNT CRYSTAL TFX-03

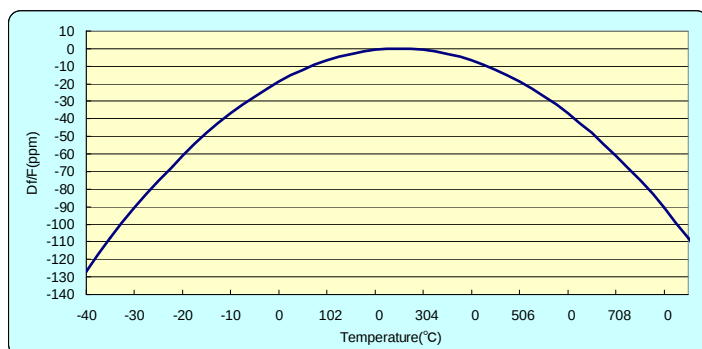
NEW
PRODUCTS!



Specifications

Item	Standard specifications
Nominal frequency(kHz)	32.768
Frequency tolerance(ppm) (at 25°C)	±10, ±20, ±30, ±50, ±100
Storage temperature range(°C)	-55 to +125
Operating temperature range(°C)	-40 to +85
Turnover temperature(°C)	25±5
Parabolic coefficient(/°C ²)	-0.03±0.01 × 10 ⁻⁶
Motional resistance(ESR)(kΩ)	90 Max.
Motional capacitance(fF)	7.0 Typ.
Level of drive(μW)	0.5 Max.
Load capacitance(pF)	9.0, 12.5

An example of frequency vs temperature characteristic



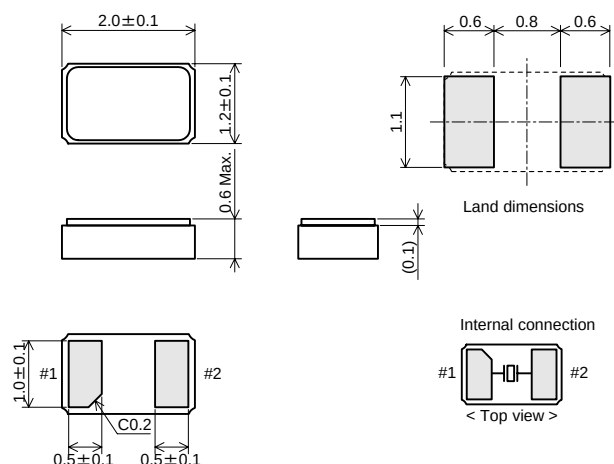
- Please consult us for customized specifications.
- All specifications and markings subjected to change without notice.

Features

- Compact design
(2.0mm×1.2mm×0.6mm Max., Weight 5.0mg).
- Ceramic package and metal lid assures extreme accuracy and high reliability by electron beam sealing.
- Lead-free soldering is available.
- Applications: Notebook PC, DSC, DVC, Mobile phone

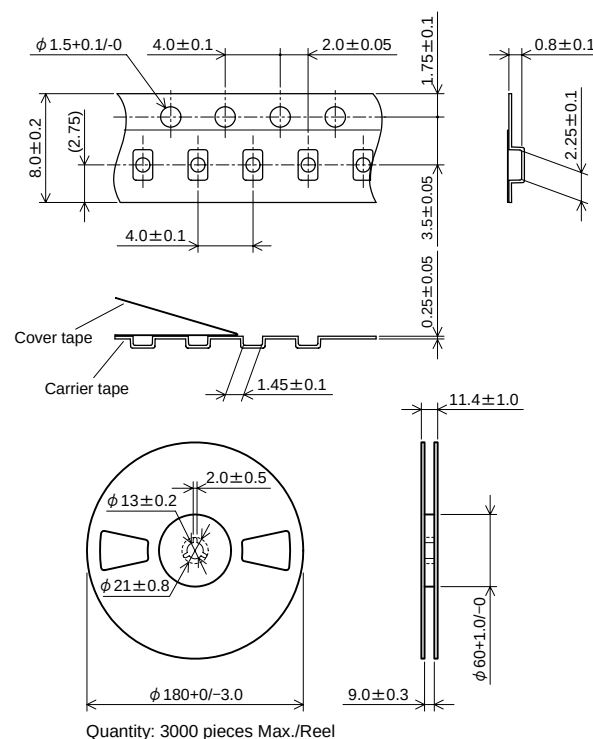
Dimensions

Unit:mm



Taping

Unit:mm



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