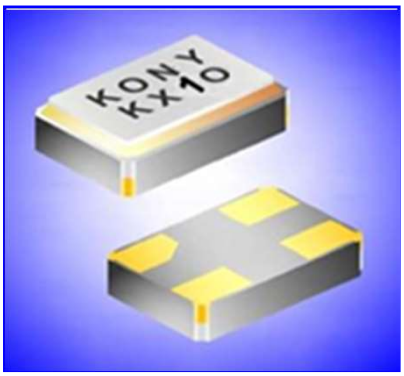
SPECIFICATION OF CRYSTAL (TSX)

KXX3 Series

Quartz Crystal Unit



Features

-. Quartz crystal unit with themistor
-. Excellent reliability characteristics such as heat and mechanical shock

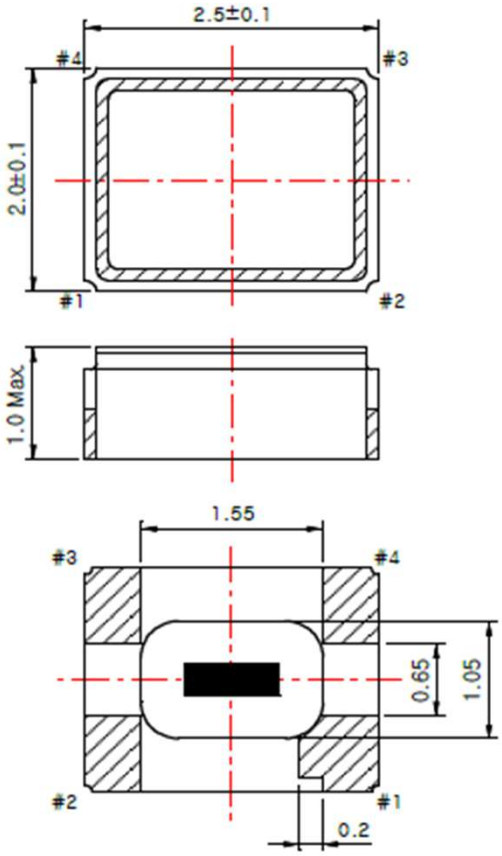
Options

-. Tapping & Reel
-. Contour size : 2.5mm X 2.0mm

Application

-. Mobile Communications

Dimension(mm)



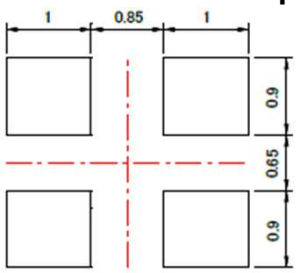
Pin	Function
#1	Xtal Terminal (Input)
#2	Thermistor Terminal + GND
#3	Xtal Terminal (Output)
#4	Thermistor Terminal

Standard Specification

(Nominal frequency referenced to frequency at 25 ℃±2 ℃)

PARAMETERS	KXX3
Frequency Range	19.2 , 26 MHz
Frequency Tolerance @ 25°C±3°C	±10ppm
Stability Over Operating Temperature Range (in reference to 25°C)	± 10 , 12ppm
Operating Temperature Range	-30 °C ~ 85 °C
Equivalent Series Resistance (ESR)	∗See Table
Shunt Capacitance	3pF maximum
Load Capacitance	7pF , 9pF
Drive Level	10 ~ 100 μW
Aging at 25℃	±0.7ppm / year
Insulation Resistance	500 MΩ Min
Thermistor Resistance Thermistor B-constant	100 KΩ ± 1% 4250 KΩ ± 1%

Recommended Land pattern



Nominal Frequency & ESR

Frequency Range (MHz)	Mode	Max. ESR(Ω)
19.2	Fundamental	70
26	Fundamental	30 , 50

* Inflection Point (T0) : 25℃,28.5℃,30.5℃(26MHz) 30℃(19.2MHz)

All specifications are subject to change without notice

ONELIGHT(Head office) 618-1 Namchon-Dong , Namdong-Gu, Incheon, Korea / Tel :+82-32-899-8331,8341 / Fax :+82-32-899-8399, Home page : http://www.onelight.co.kr

ONELIGHT ELECTRONICS CO.,LTD