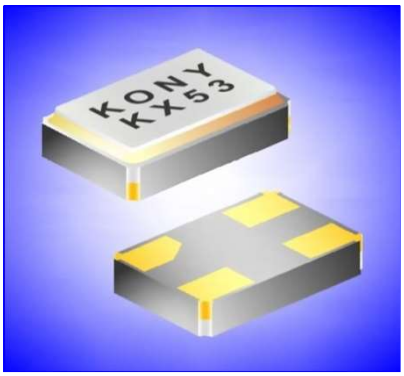
SPECIFICATION OF CRYSTAL UNIT

KX53 Series

Quartz Crystal Unit



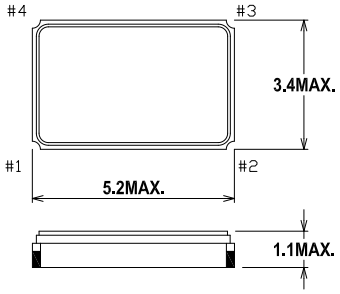
Features

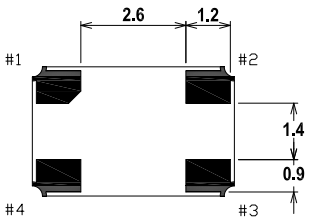
-. High Frequency Range
-. Miniature SMD Crystal
-. Seam Sealed
-. AT-cut

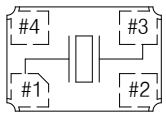
Options

-. Tapping & Reel
-. Contour size : 5.0mm X 3.2mm

Dimension(mm)

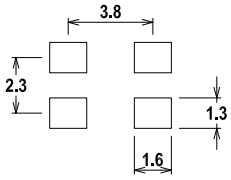






Internal connections

Recommended Land pattern



Standard Specification

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

PARAMETERS	KX53
Frequency Range	8.0000MHz ~ 125.0000MHz
Frequency Tolerance @ 25°C±3°C	± 20ppm (Typ.)
Stability Over Operating Temperature Range (in reference to 25°C)	± 30ppm (Typ.)
Operating Temperature Range	-40 °C ~ 85 °C 40 °C ~ 125 °C (50ppm)
Equivalent Series Resistance (ESR)	*See Table
Shunt Capacitance	7pF maximum
Load Capacitance	10pF ~ Series
Drive Level	25μW (1000μW max.)
Aging per year	±3ppm
Insulation Resistance	500 Megaohms Minimum at 100V_{DC}
•Tighter tolerances, stabilities & operating temperature ranges available	

Nominal Frequency & ESR

Frequency Range (MHz)	Mode	Max. ESR (Ω)
8.000 ~ 54.000	Fundamental	80
40.000 ~ 125.000	3rd Overtone	90

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