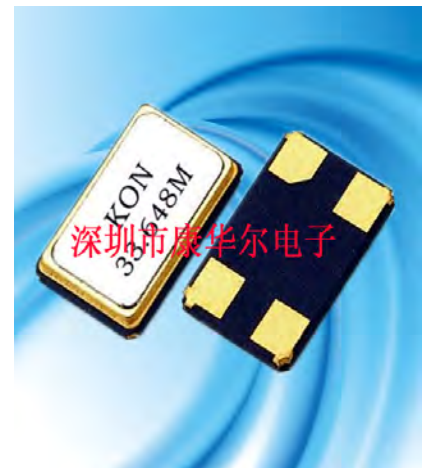


● Features

Ultra-thin ▪ Dimensions(4.0×2.5×0.6)  
 Ceramic SMD Package ▪ Leadless Type ▪ Seam Sealed  
 Tight Tolerance and Stability  
 Reflow Soldering ▪ Emboss Taping  
 RoHS Compliant

● Applications

OA ▪ AV machine ▪ Bluetooth ▪ Cellular



## ▼ Specifications

Type	KH--4025	
Nominal frequency range	12.000~50.000MHz	
Crystal cut	Fundamental [AT-cut]	
Storage temperature range	-40~+90°C	
Operating temperature range	-10~+60°C	-30~+85°C
Frequency temperature characteristics (Ref. to +25°C)	±10×10 <sup>-6</sup>	±15×10 <sup>-6</sup>
Frequency tolerance(at +25°C)	±10×10 <sup>-6</sup>	
Equivalent series resistance	100Ω:12.000~12.999MHz 80Ω:13.000~18.999MHz 60Ω:19.000~39.999MHz	40Ω:40.000~50.999MHz
Load capacitance	series,10pF,12pF,16pF	
Shunt capacitance	5pF max.	
Level of drive	10μW(100μW max.)	

Package quantity : 1,000pcs max./reel.

## ▼ Outline Dimensions [unit:mm]

#4 TOP VIEW #3

#1 #2

#1,#3: Crystal terminal / #2,#4: Connected to cover.  
 (Please connect it with GND.)

Example of a Terminal Land Pattern

Maximum marking length		Marking
line1	line2	
7	7	Laser

ex.)

KON  
33.333M