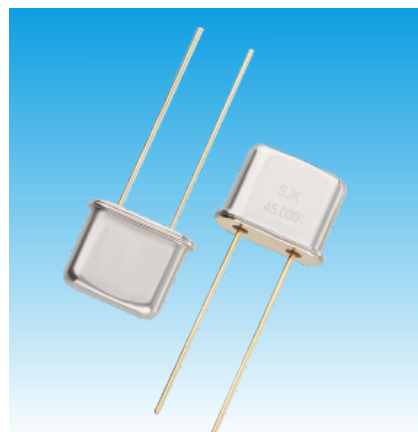


### Features

- High reliability & Low Cost
- Proven resistance welded metal package
- Tight stability & extended temperature
- Wide frequency range from 3MHz to 100MHz
- Application for IoT, Consumer product, HDTV, Communication, Visual applications, etc.
- RoHS Compliant /Pb Free



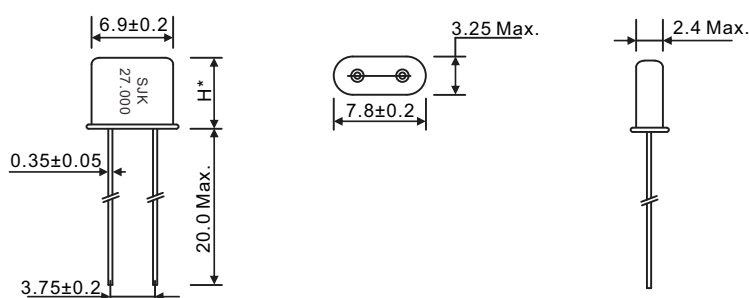
### Standard Specification

Item /Type	6D /6E (UM-1 /UM-5 Crystal Units)
Frequency Range	4~200 MHz
Frequency Tolerance (at 25°C)	±10~±50ppm, or specify
Frequency Stability Over Temperature	±10~±50ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance (C <sub>0</sub> )	7pF Max.
Drive Level	1~500μW (100μW Typ.)
Load Capacitance	Series of 9pF ~ 50pF
Aging (at 25°C)	±5ppm /year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	200pcs.

### Equivalent Series Resistance

Fundamental		3rd Overtone		5th /7th Overtone	
4~5.0MHz	100Ω Max.	24~35MHz	40Ω Max.	100~200MHz	100Ω Max.
5~6.0MHz	90Ω Max.	35~100MHz	80Ω Max.		
6~7.0MHz	80Ω Max.				
7~10MHz	60Ω Max.				
10~14MHz	50Ω Max.				
14~24MHz	40Ω Max.				

### Dimensions [mm]



TYPE	H*
UM-1	7.8±0.2
UM-5	6.0 Max.