

# Glass SMD Crystal Resonators

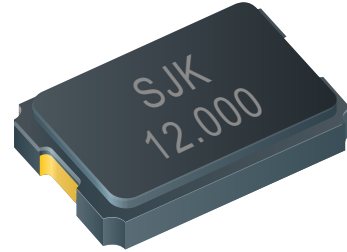


Size: 8.0×4.5×1.60 mm

6H Series SMD Crystal Resonator

## Features

- 8045 size SMD crystal resonator with a low profile of 1.60mm.
- 2 pads SMD sealed crystal units.
- High reliable environmental performance.
- Tight tolerance and stability parts are available.
- Offers a wide frequency range from a low 4MHz to 160MHz.
- Automatic mounting and reflow soldering.
- Applications for portable PC, PDA, DSC, and USB interface card, etc.
- Contains Pb in sealing glass exempted by RoHS directive.



## Electrical Specifications

Item /Type	6H (Glass SMD 8045 crystal resonator)
Frequency Range	8~160MHz
Frequency Tolerance(at 25 °C)	±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±30ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance(C <sub>0</sub> )	5pF Max.
Drive Level	10~300µW Max.(10µW Typical)
Load Capacitance	12pF, 16pF, 20pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-40~+85°C
Packing Unit	1000pcs./Reel

## Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
6~10MHz	100Ω Max.	40~80MHz	90Ω Max.
10~12MHz	80Ω Max.	80~100MHz	90Ω Max.
12~40MHz	60Ω Max.	100~160MHz	150Ω Max.

## Dimensions

Units:mm

