

# SMD Crystal Resonators



Size: 6.0×3.5×1.00 mm

6G Series SMD Crystal Resonator

## Features

- 6035 size miniature SMD crystal resonator with a low profile of 1.00mm.
- Wide frequency range from a comparatively low 8 MHz up to 100MHz.
- High precision and high frequency stability.
- 2 Pads or 4 Pads.
- Automatic mounting and reflow soldering.
- Applications for Bluetooth, wireless communication set, DSC, PDA, mobile phone, USB interface card, etc.
- RoHS Compliant / Pb-Free.



## Electrical Specifications

Item /Type	6G (SMD 6035 crystal resonator)
Frequency Range	8~100MHz
Frequency Tolerance(at 25 °C)	±10ppm, ±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, ±30ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance(C <sub>0</sub> )	5pF Max.
Drive Level	1~200μW Max.(100μW Typical)
Load Capacitance	10pF, 16pF, 20pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	1000pcs./Reel
Pad	2Pads / 4Pads

## Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
8~10MHz	150Ω Max.	40~100MHz	70Ω Max.
10~12MHz	80Ω Max.		
12~40MHz	50Ω Max.		

## Dimensions

Units:mm

