

## Application

Bluetooth, Wireless LAN, Audio Equipment  
Disc Drive, A/V card, Cordless Telephone, Pager  
Notebook Computer, Wireless Security System

## Features

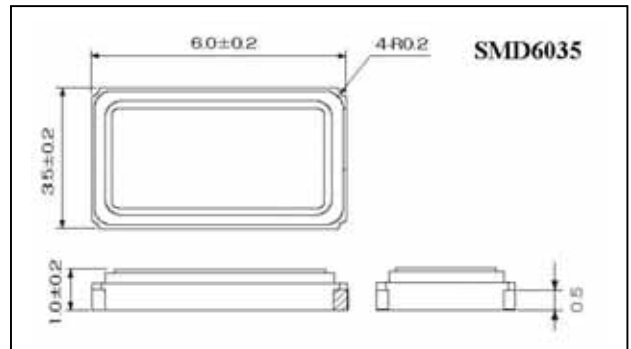
The SMD6035 is ultra-thin, ceramic SMD Seam Weld type package with Lead-free, tight tolerance, and stability reflow soldering to be possible.

## Generic Specification

Nominal Frequency Range	8.000MHZ — 50.000MHZ	40.000 -- 125.000MHZ
Vibration Mode	Fundamental	Third Overtone
Temperature Stability at 25°C	10PPM @ -10°C — +60°C ; 20PPM @ -30°C — +85°C	
Frequency Tolerance at 25°C	+/-10PPM, +/-20PPM, +/-30PPM	
Load Capacitance	Series, 10pF, 12pF, 16pF, 18pF, 20pF	
Operating Temperature Range	-10°C — +60°C ; -20°C — +70°C; -30°C — +85°C	
Storage Temperature Range	-40°C — +85°C	
Drive Level	10uW (100uW max.)	
Aging Rate at 25°C	+/-3 PPM per year Max	



## External Dimension (Unit: mm)



## Frequency Range and ESR

Nominal Frequency Range	AT cut	Fundamental	AT cut Third Overtone
	Equivalent Series Resistance		
8.000MHz -- 15.999MHz	80 Ohm Max		
16.000MHz -- 29.999MHz	60 Ohm Max		
30.000MHz -- 50.000MHz	50 Ohm Max		
40.000 MHz -- 125.00MHz			80 Ohm Max

## Internal Connections and Soldering Land Pattern

