

深圳市飞科电子有限公司

Quartz Crystal Units

6035

[6.0×3.5×1.00 mm]

7050

[7.0×5.0×1.00 mm]



Surface Mount Crystals

Fundamental /3rd

Frequency Range

6MHz~160MHz

Features

- Small size SMD crystal units with 6.0×3.5 (6035), 7.0×5.0 (7050), seam sealed package.
- The entire package can be grounded via the top metal lid and the two bottom pads
- The tight tolerance and tight stability crystal is ideal for communications.
- The crystal package will withstand solder reflow.
- Applications: Telecommunication, PC and peripherals, Radio communications, Smart grid, Factory automation, etc.



Standard Specifications

Item / Type	6035	7050
Frequency Range	8~100 MHz(Fund. /3rd)	6~160 MHz (Fund. / 3rd)
Load Capacitance	10pF~32pF, or specify	
Drive Level	100 μ W typical	
Frequency Tolerance (at 25°C)	± 10 ppm, ± 20 ppm or ± 30 ppm (max.)	
Aging	± 3 ppm / Year (max.)	
Storage Temperature Range	-55°C~+125°C	

ESR (Equivalent Series Resistance)

6035	
Frequency Range	E.S.R
8~12MHz	100 Ω max.
10~100MHz	70 Ω max.

7050	
Frequency Range	E.S.R
6~10 MHz	100 Ω max.
10~12 MHz	60 Ω max.
12~30MHz	50 Ω max.
30~80 MHz	80 Ω max.
80~100 MHz	90 Ω max.
100~160 MHz	100 Ω max.

Frequency stability Vs Operating temperature range

ppm Temp. (°C)	± 5	± 10	± 15	± 20	± 25	± 30
-10~+60	▲	○	○	○	○	○
-20~+70	×	○	○	○	○	○
-40~+85	×	×	○	○	○	○

▲: Conditional
○: Available
×: Not available

6035

[6.0×3.5×1.00 mm]

7050

[7.0×5.0×1.00 mm]



Surface Mount Crystals

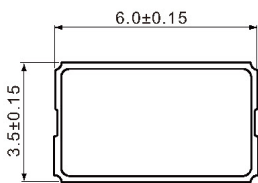
Fundamental /3rd

Frequency Range

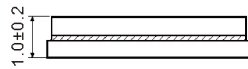
6MHz~160MHz

Outline Dimensions (Unit: mm)

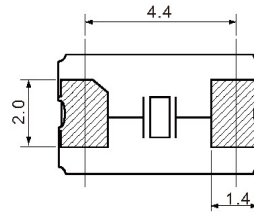
6035A (6.0×3.5×1.00 mm) -2 pads



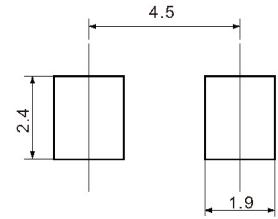
Top View



Side View

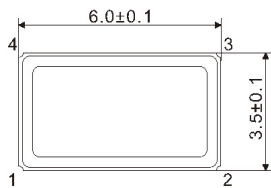


Bottom View

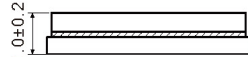


Top View Suggested Layout

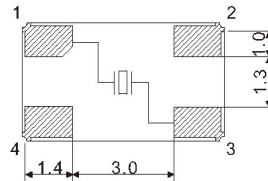
6035B (6.0×3.5×1.00 mm) -4 pads



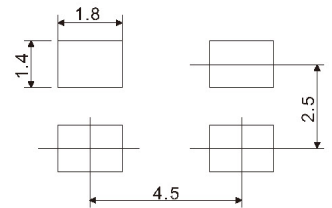
Top View



Side View

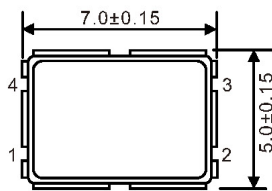


Bottom View

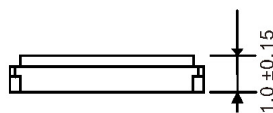


Top View Suggested Layout

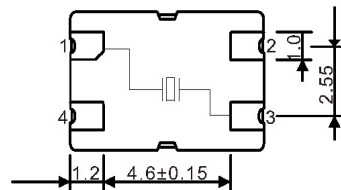
7050 (7.0×5.0×1.00 mm)



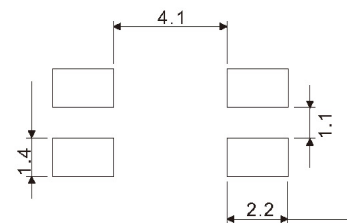
Top View



Side View



Bottom View



Top View Suggested Layout