



SMD Crystal UNITS 2.0*1.6*0.45mm (AS2016A)

Features

- ▶ Ultra-thin thickness 0.45mm.
- ▶ It is a completely sealed type with a metal case sealed on a ceramic board.
- ▶ Automatic mounting is possible.
- ▶ AEC-Q200 qualified
- ▶ Reflow is possible.
- ▶ RoHS compliant and lead free.

For Automotive

RoHS / Pb Free

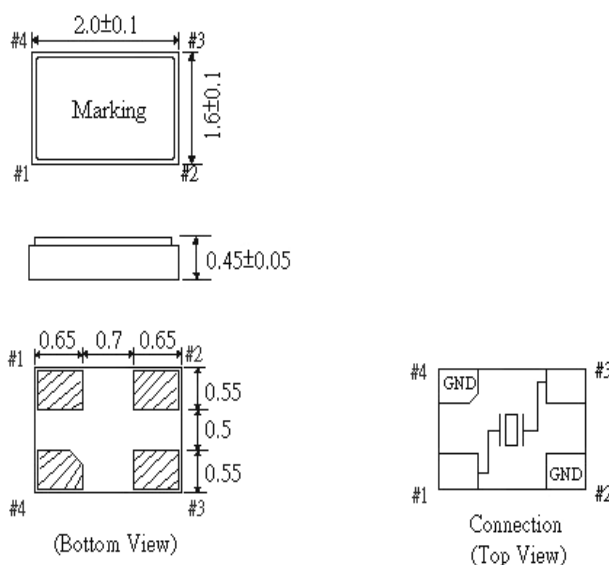
Specifications

Type	SMD Crystal UNITS 2.0*1.6*0.45mm
Freq. range	16.0 ~ 72.0MHz
Vibration mode	AT cut , Fundamental
Frequency tolerance(at 25 °C)	-/+10ppm , -/+30ppm , or specify
Equivalent series resistance	See table No.1
Frequency stability over operating temperature range	-/+50ppm , -/+100ppm , or specify
Operating temperature range	-40 ~ +125°C , or specify
Drive Level	100uW Max.
Shunt capacitance	3.0pF Max.
Load capacitance	8pF, 10pF, or specify
Aging	-/+2ppm/year , -/+5ppm/year
Min. Packing	3,000pcs/Reel

Equivalent series resistance(ESR) Table No. 1

Frequency	Mode	ESR
16.0~20.0 MHz	Fundamental	200 ohms Max.
21.0~25.0 MHz	Fundamental	120 ohms Max.
26.0~40.0 MHz	Fundamental	100 ohms Max.
41.0~72.0 MHz	Fundamental	60 ohms Max.

Dimensions (Unit:mm)



*Specifications described are subject to change without notice for improvement.