CRYSTAL UNIT

HC-49US DIP



Applications

- Industrial Control Consumers.

Features

- Dimensions:11.5 x 4.50 x3.68 mm.
- Frequency range:3.2768~64MHz
- Through hole type crystal units.
- A great number of standard frequencies.

Specifications

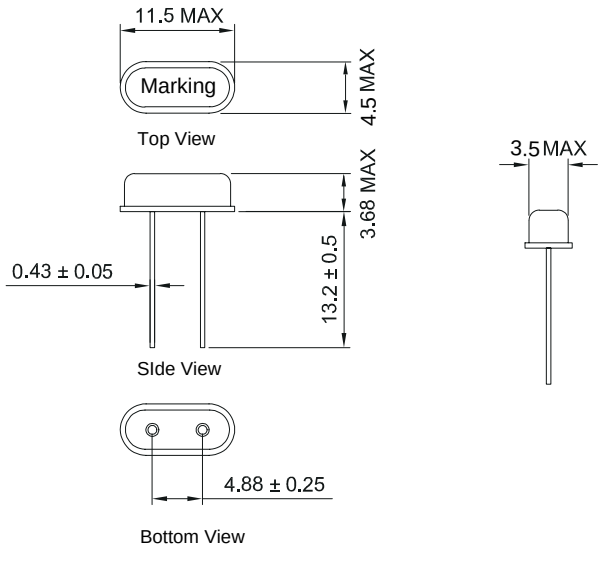
Standard Frequency	3.2768~64 MHz
Vibration Mode	AT Fundamental
Load Capacitance	12pF, 20pF, or specify
Frequency Tolerance (at 25℃)	±10ppm, ±20ppm, or specify
Frequency Versus Temperature Characteristics	±20ppm, or specify
Operating Temperature	-20~+70℃, -40~+85℃, or specify
Storage Temperature	-40~+85℃ or specify
Shunt Capacitance	7 pF Max.
Level of Drive	1~500μWMax.(100uW typical)
Aging (at 25℃)	±3ppm/year Max.

Equivalent Series Resistance(ESR)

Fundamental			
3.2768 ~ 4MHz	180 Ω Max.	6 ~ 17 MHz	80 Ω Max.
4 ~ 5MHz	120 Ω Max.	7 ~ 10 MHz	60 Ω Max.
5 ~ 6 MHz	100 Ω Max.	10 ~ 27MHz	40 Ω Max.
3rd Overtone			
20 ~ 25 MHz	100 Ω Max.	25 ~ 64 MHz	80 Ω Max.

Dimensions and Patterns [unit:mm]

Package Size – Dimensions (Unit: mm)



Units: mm

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Solder ability

Dip terminals in RMA flux for5±0.5 seconds. Under room temperature. Dip terminals in a 260±5℃ solder bath for 5±0.5 seconds. The solder shall leave an undipped terminal length of 2 mm at their base .

Resistance to Soldering Heat

Dip terminals in a 260±5℃ solder bath for 10±0.5 seconds. The solder shall leave an undipped terminal length of 2 mm at their base.

Packing

Deposit 200 pieces of the quartz crystal units in a polyethylene bag, and pack enough bags in a packing case to make a 10,000 pieces package. The packing format may be subject to change by quantity.