

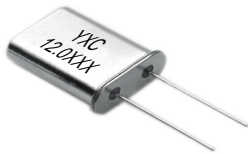


给您一颗快乐的“芯”！

HC-49UM



Features



- External dimensions: 11.5 x 4.5 x 3.68mm.
- Frequency range: 3.579545MHz ~ 64MHz.
- Surface mount type crystal units.
- A great number of standard frequencies.
- High frequency pullability and low equivalent series resistance.
- Highly mass production capability.
- Applications: PC, STB, LCDM and Cable Modem.

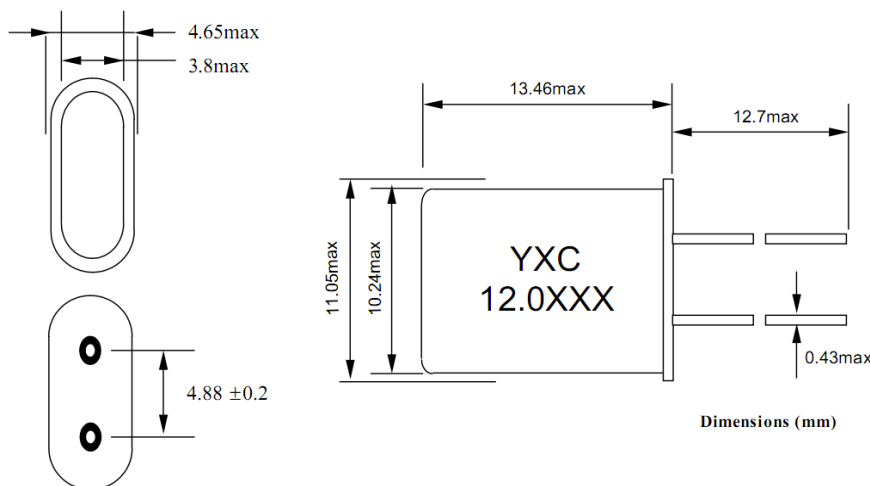
Electrical Specifications

| Item / Type | HC-49UM |
|--|--|
| Nominal Frequency Range | 1.8432 ~ 30MHz |
| Vibration Mode | AT Fundamental |
| Load Capacitance | 12pF, 20pF, or specify |
| Frequency Tolerance (at 25 °C) | ±10 ppm, ± 20 ppm, or specify |
| Frequency Versus Temperature Characteristics | ± 20 ppm, or specify |
| Operating Temperature | - 20 ~ + 70 °C , - 40 ~ + 85 °C , or specify |
| Storage Temperature | -40 ~ +85 °C , or specify |
| Shunt Capacitance | 7 pF Max. |
| Level Of Drive | 1 ~ 500 μW (100μW typical) |
| Frequency Aging (at 25 °C) | ± 3 ppm / year Max. |

Equivalent Series Resistance(ESR)

| Fundamental | |
|---------------------|------------|
| 6.000-9.999MHz | 120 Ω Max. |
| 10.000-19.999MHz | 100 Ω Max. |
| 20.000MHz-27.000MHz | 80 Ω Max. |
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Dimensions





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★ **PART NUMBER GUIDE 部件号示例** e.g. X49UD12MSD2SC HC-49UM=11.05 × 4.65 DIP SEAM TYPE

| Quartz Crystal Resonator | Dimensions | Frequency (Hz) | Load Capacitance (Pf) | Frequency Stability Overall (ppm) | Pin | Material | Operating Temp. Range |
|--------------------------|------------|----------------|-----------------------|-----------------------------------|-----|----------|-----------------------|
| X | 49UD | 12M | S | D | 2 | S | C |

★ **WAVE SOLDERING PROFILE 波峰焊特性**

