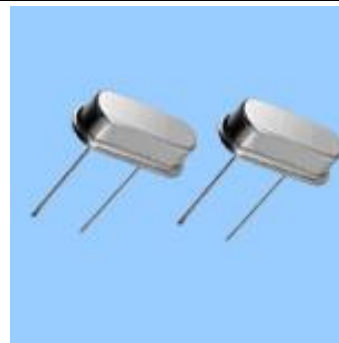


## 无源直插晶振49S-16MHZ

### ■Features

- Resistance weld seal.
- A resistance weld completely sealed type.
- The tight frequency stability.
- Low cost.
- Versatile.
- Pb-free and ROHS/Green compliant.



### ■Applications

- Ideally suited designed for Set-Top Box/Multimedia, modems, clock/vcxo multiplier, network adapter cards and remote control devices.

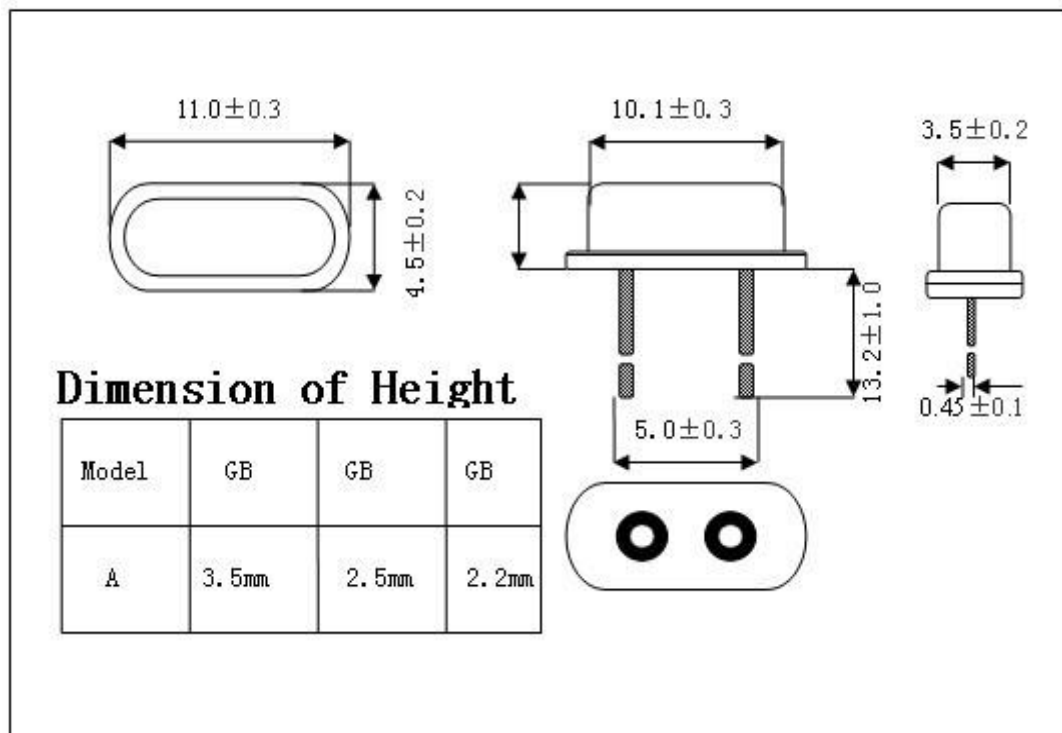
### ■Specifications

| 项目Item                                                                                                                                                                                                                                                         | 技术Specifications                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 型号Holder Type                                                                                                                                                                                                                                                  | 49S-16MHZ                                                |
| 频率范围 Frequency Range                                                                                                                                                                                                                                           | 16.000MHZ                                                |
| 调整频差Frequency Tolerance( $\Delta F$ )                                                                                                                                                                                                                          | $\pm 10\text{PPm}$ to $\pm 30\text{PPm}$ (at 25°C)       |
| 温度频差Frequency Drift                                                                                                                                                                                                                                            | $\pm 10\text{PPm}$ to $\pm 30\text{PPm}$ ※ (See Notes 2) |
| 工作温度Operating Temp                                                                                                                                                                                                                                             | -20°C to 70°C / -40°C to 85°C                            |
| 储存温度Storage Temp                                                                                                                                                                                                                                               | -40°C to 85°C / -55°C to 125°C                           |
| 老化能力 Aging (25°C)                                                                                                                                                                                                                                              | $\pm 5\text{PPm/year}$ Maximum                           |
| 静电容Shunt Capacitance(C0)                                                                                                                                                                                                                                       | 7pF maximum                                              |
| 激励功率Drive Level                                                                                                                                                                                                                                                | 100 $\mu\text{W}$ Typical                                |
| 绝缘阻抗Insulation Resistance(Rs)                                                                                                                                                                                                                                  | 500 Megaohms Minimum at D, C100V                         |
| 负载电容Load Capacitance (CL)                                                                                                                                                                                                                                      | Suggested by customer                                    |
| ※Notes1; For 2.5mm height, lowest frequency is 10 MHZ.<br>For 2.8mm height, lowest, frequency is 6 MHZ<br>※Notes2; $\pm 10$ , $\pm 20$ , $\pm 30\text{ppm}$ (-20°C to 70°C)<br>$\pm 20$ , $\pm 30$ , $\pm 50\text{ppm}$ (-40°C to 85°C) or depends on customer |                                                          |

### ■Equivalent Series Resistance and Mode of Operation

| Frequency (MHz) | Mode  | ESR ( $\Omega$ ) Max | Frequency (MHz) | Mode      | ESR ( $\Omega$ ) Max |
|-----------------|-------|----------------------|-----------------|-----------|----------------------|
| 3.2~3.579       | Fund. | 250                  | 10.0~14.0       | Fund.     | 50                   |
| 3.579~4.0       | Fund. | 150                  | 14.0~20.0       | Fund.     | 40                   |
| 4.0~5.0         | Fund. | 120                  | 20.0~48         | Fund.     | 30/40 (BT cut)       |
| 5.0~6.0         | Fund. | 100                  | 35~40           | 3th I. T. | 100                  |
| 6.0~7.0         | Fund. | 80                   | 40~100          | 3th I. T. | 80                   |
| 7.0~10.0        | Fund. | 60                   |                 |           |                      |

## ■ Dimensions



## ■ Reflow Condition

