



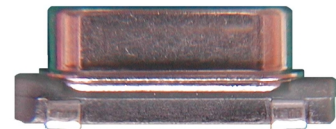
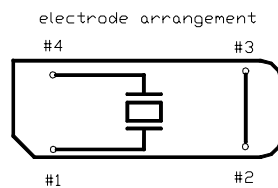
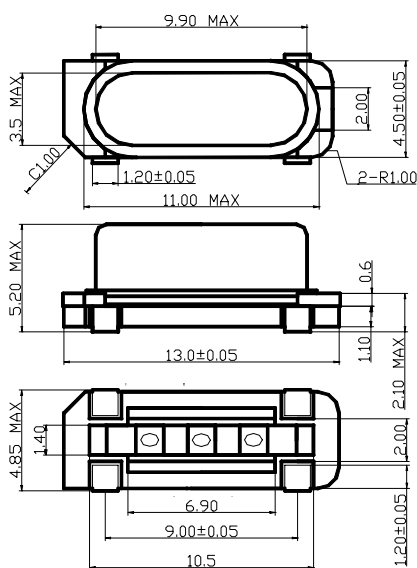
**S5 TYPE--HC-49/US 4-PAD PACKAGE**

Standard Specifications

|                                      |  |
|--------------------------------------|--|
| Frequency Range (MHz)                | 3.200~70.000   |
| Mode of Vibration                    | 3.200~30.000MHz Fundamental<br>27.000~70.000MHz 3 <sup>rd</sup> Overtone |
| Drive Level (mW)                     | 0.1 TYPICAL  |
| Load Capacitance (pF)                | 8.0pF MIN  |
| Frequency Tolerance (ppm)            | ± 10、 ± 30、 ± 50(at 25 °C)   |
| Shunt Capacitance(pF)                | 7 MAX  |
| Operating Temperature Range          | 0 °C ~+70 °C Standard  |
| Frequency Stability (refer to 25 °C) | ± 30ppm Standard   |
| Storage Temperature Range            | -40 °C ~+85 °C   |
| Aging (First Year)                   | ± 5ppm(at 25 °C)   |

Equivalent Series Resistance

| Frequency Range (MHz) | ESR MAX (Ω) | Frequency Range (MHz) | ESR MAX (Ω) |
|-----------------------|-------------|-----------------------|-------------|
| 3.200~3.499           | 300         | 7.000~8.999           | 80          |
| 3.500~3.999           | 200         | 9.000~12.999          | 60          |
| 4.000~4.999           | 150         | 13.000~19.999         | 40          |
| 5.000~5.999           | 150         | 20.000~30.999         | 30          |
| 6.000~6.999           | 100         | 27.000~70.000         | 100         |



All Dimensions in mm