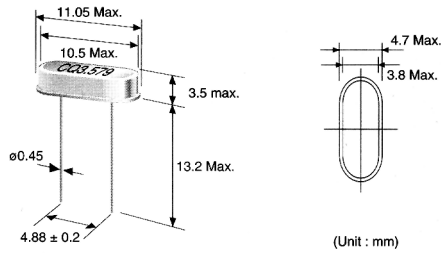




## HC-49S

Quartz Crystal Units in HC-49S,UM Holder Types

### HC-49S



### Electrical Specifications

| Item                                    |                          | HC-49S                         |     |
|---|--------------------------|--------------------------------|-----|
| Frequency Tolerance at 25°C             |                          | ±30 ppm                        |     |
| Frequency Stability from -20°C to +70°C |                          | ±10ppm ~ ±100ppm               |     |
| Resistance                              | Fundamental              | 3.500~3.999MHz                 | 150 |
|   |                          | 4.000~4.999MHz                 | 120 |
|   |                          | 5.000~5.999MHz                 | 100 |
|   |                          | 6.000~6.999MHz                 | 90  |
|   |                          | 7.000~8.999MHz                 | 80  |
|   |                          | 9.000~9.999MHz                 | 60  |
|   |                          | 10.000~12.999MHz               | 60  |
|   |                          | 13.000~24.999MHz               | 50  |
|   |                          | 25.000~29.999MHz               | N/A |
|   |                          | 30.000~34.999MHz               | N/A |
|   | 3 <sup>rd</sup> Overtone | 27.000~39.999MHz               | 90  |
|   |                          | 40.000~59.999MHz               | 90  |
| 60.000~89.999MHz                        |                          | N/A                            |     |
| 5 <sup>th</sup> Overtone                | 90.000~99.999MHz         | N/A                            |     |
| Load Capacitance (CL)                   |                          | 10 ~ 50pF or Series            |     |
| Shunt Capacitance (Co)                  |                          | 7pF Max.                       |     |
| Drive Level                             |                          | 0.1mW~1.0mW                    |     |
| Insulation Resistance                   |                          | 500M (DC100V±15V)              |     |
| Leaking Rate                            |                          | 1x10 <sup>-8</sup> mbar L/Sec. |     |
| Aging                                   |                          | ±5ppm/Year                     |     |