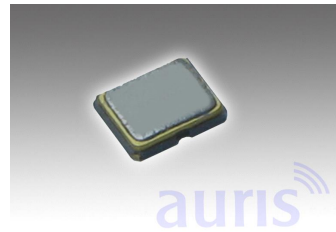


## Features HC Series

- SMD
- High reliability
- Application: Bluetooth, wireless LAN
- Ultra thin and small leadless type

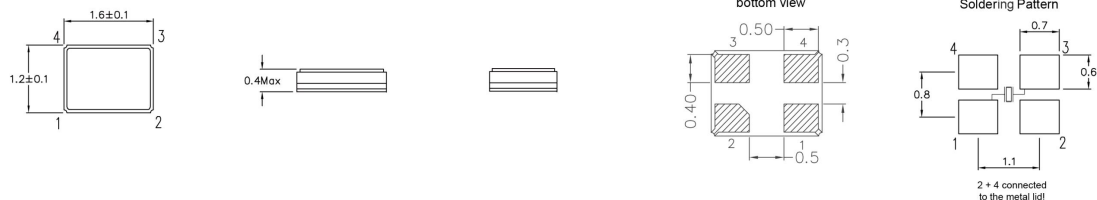


## HC1612/4

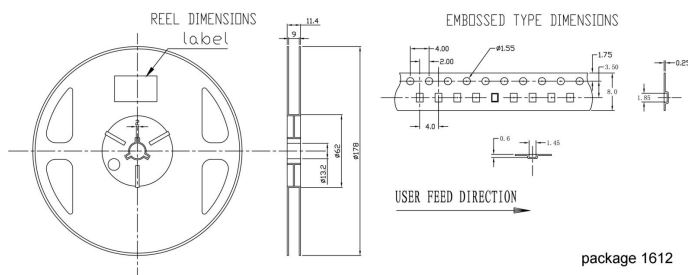
### Specification

| Type                            | HC1612/4                                       | ESR (max.)                                     |
|---------------------------------|--|--|
| Frequency Range fundamental     | 24,0MHz ~ 100,0 MHz (AT cut)                   | 24,0MHz ~ 40,0MHz = 150 Ohm                    |
| Frequency Range over tone       | -  | 40,1MHz ~ 60,0MHz = 100 Ohm                    |
| Frequency Tolerance at 25°C±5°C | standard ±30ppm; available ±10 ~ ±30ppm        | 60,1MHz ~ 100,0MHz = 80 Ohm                    |
| Temperature Range               | 0°C ~ +70°C, or order code                     |  |
| Load Capacitance CL             | standard 10pF; available 6pF ~ 30pF,SR         |  |
| Shunt Capacitance C0            | 2pF max.                                       |  |
| Aging                           | ±3 ppm/year standard (±1 or ±2 ppm on request) |  |
| Storage Temperature             | -55°C - +125°C                                 | Temp. Tolerance (ppm)                          |
| Drive Level                     | 50uW typ.                                      | -20°C ~ +70°C standard ±30 available ±10 ~ ±50 |
| RoHS                            | compliant                                      | -40°C ~ +85°C standard ±50 available ±20 ~ ±50 |
| Contents Of Reel                | 3000 pcs                                       |  |

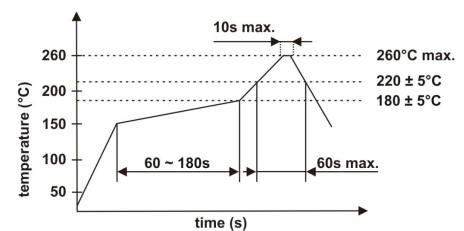
### Drawing (mm)



### Tape dimension (mm)



### Soldering profile



### Order code

| Q        | - 32.000000M - HC1612/4 | - F      | - 30                | - 50                | - E                   | - 12   | - TR             |                                       |
|----------|-------------------------|----------|---------------------|---------------------|-----------------------|--|------------------|---------------------------------------|
| Part     | Frequency               | Package  | Mode of oscillation | Frequency tolerance | Temperature tolerance | Temperature range  | Load capacitance | Option                                |
| Q=Quartz | M=MHz                   | HC1612/4 | F=fund.             | ±ppm<br>(25°C)      | ±ppm<br>(Temp. range) | A= 0°C ~ +70°C<br>B= -10°C ~ +60°C<br>C= -10°C ~ +70°C<br>D= -20°C ~ +70°C<br>E= -40°C ~ +85°C | pF<br>SR=series  | TR=Tape and reel<br>X=Special options |