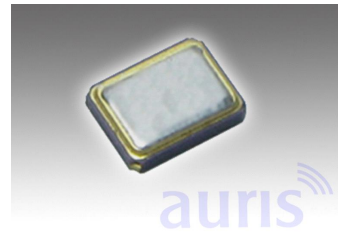


Features HC Series

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

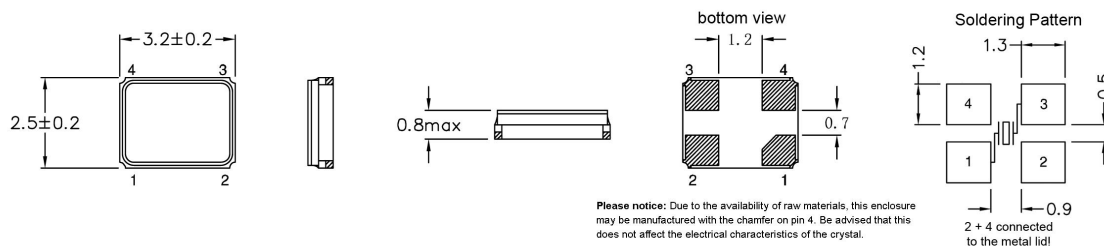


HC3225/4

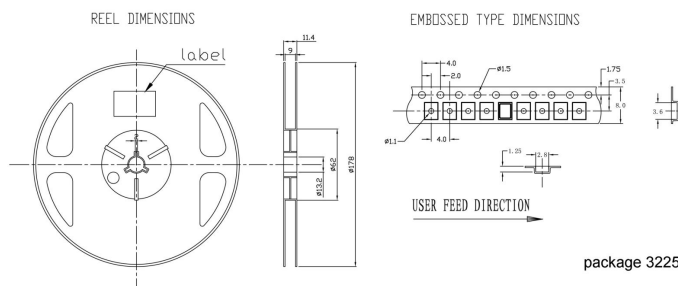
Specification

| Type | HC3225/4 | ESR max |
|---------------------------------|---|--|
| Frequency Range fundamental | 8,00MHz ~ 80,00MHz (AT cut) | 8,0MHz ~ 9,9MHz = 500 Ohm |
| Frequency Range over tone | 60,00MHz ~ 156,25MHz (AT cut) | 10,0MHz ~ 11,9MHz = 250 Ohm |
| Frequency Tolerance at 25°C±5°C | standard ±30ppm; available ±10 ~ ±50ppm | 12,0MHz ~ 15,9MHz = 100 Ohm |
| Temperature Range | 0°C ~ +70°C, or order code | 16,0MHz ~ 18,9MHz = 80 Ohm |
| Load Capacitance CL | standard 12pF; available 6pF ~ 50pF, SR | 19,0MHz ~ 29,9MHz = 60 Ohm |
| Shunt Capacitance C0 | 3pF max. | 30,0MHz ~ 80,0MHz = 50 Ohm |
| Aging | ±3ppm/year max | 60,0MHz ~ 156,25MHz = 100 Ohm (3.O.T.) |
| Storage Temperature | -55°C - +125°C | Temp. Tolerance at 25°C± 5°C (ppm) |
| Drive Level | 100µW typ. (300µW on request) | -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 | -40°C ~ +125°C available ±70 ~ ±100 |

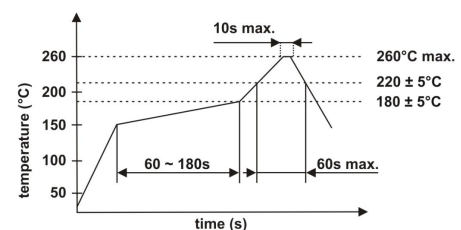
Drawing (mm)



Tape dimension (mm)



Soldering profile



Order code

| Q | - 30.000000M | - HC3225/4 | - F | - 30 | - 30 | - D | - 12 | - TR |
|----------|--------------|-------------|---------------------|---------------------|-----------------------|--|------------------|---------------------------------------|
| Part | Frequency | Package | Mode of oscillation | Frequency tolerance | Temperature tolerance | Temperature range | Load capacitance | Option |
| Q=Quartz | M=MHz | HC3225/4 | F=fund. | ±ppm | ±ppm | A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C E= -40°C ~ +85°C F= -40°C ~ +105°C G= -40°C ~ +125°C | pF SR=series | TR=Tape and reel X=Special options |
| | | /4 = 4 pads | 3=3.OT | (25°C) | (Temp. range) | | | |