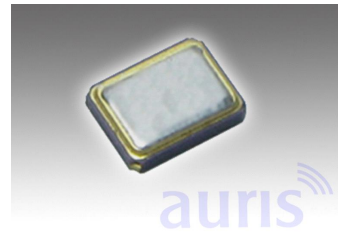


Features HC Series

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

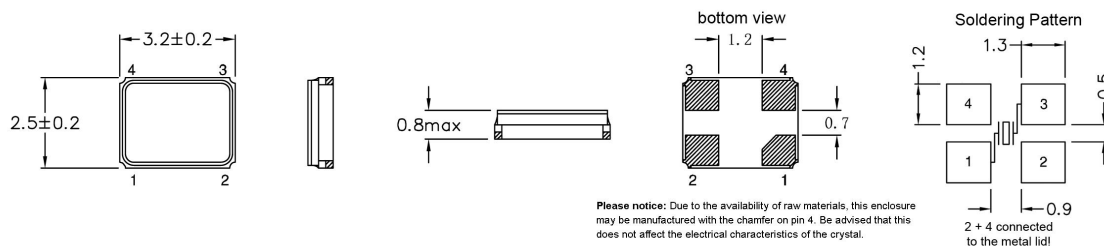


HC3225/4

Specification

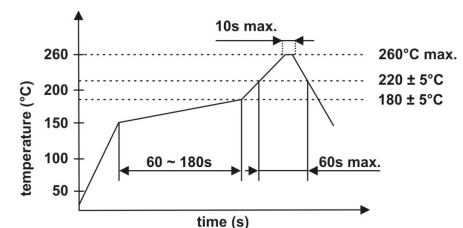
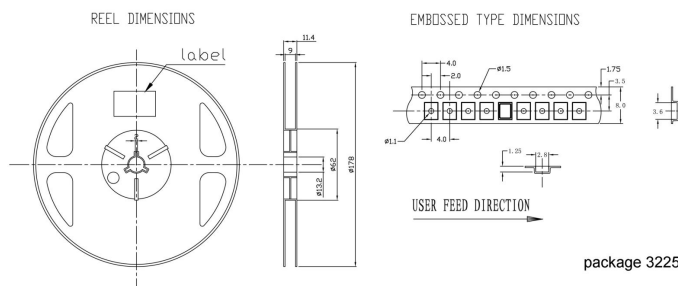
Type	HC3225/4	ESR max
Frequency Range fundamental	8,000MHz ~ 60,000 MHz (AT cut)	8,0MHz ~ 9,9MHz = 800 Ohm
Frequency Range over tone	60,000MHz ~ 156,000MHz (AT cut)	10,0MHz ~ 11,9MHz = 250 Ohm
Frequency Tolerance at 25°C±5°C	standard ±30ppm; available ±10 ~ ±50ppm	12,0MHz ~ 15,9MHz = 100 Ohm
Temperature 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	5pF max.	30,0MHz ~ 60,0MHz = 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 max. (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	- 30.00000M	- 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. 3=3.OT	±ppm (25°C)	±ppm (Temp. range)	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						