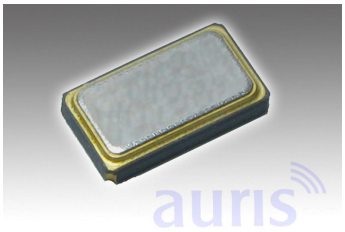
Features HC Series

RoHS II 2011/65/EU

REACH compliant

- SMD ceramic enclosures
- High reliability seam welded seal
- Frequency up to 200 MHz
- Ultrathin profile

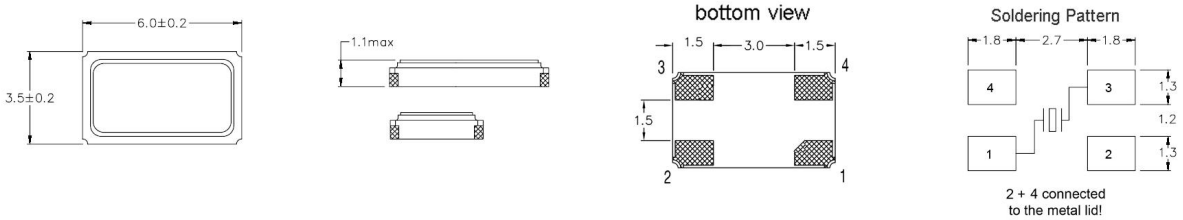


HC6035/4

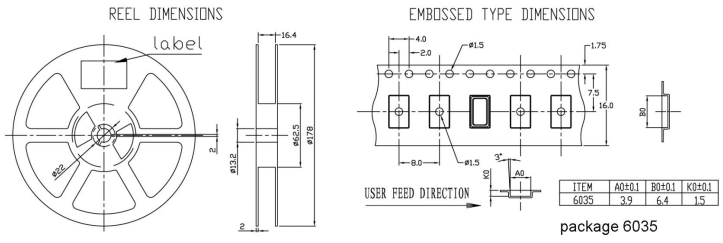
Specification

Type	HC6035/4		ESR max.
Frequency Range fundamental	7,000MHz ~ 54,000 MHz (AT cut)		7,0MHz ~ 12,0MHz = 100 Ohm
Frequency Range over tone	40,000MHz ~ 200,000MHz (AT cut)		12,1MHz ~ 16,0MHz = 60 Ohm
Frequency Tolerance at 25°C±5°C	standard ±30ppm; available ±5 ~ ±50ppm		16,1MHz ~ 25,0MHz = 50 Ohm
Temperature Range	0°C ~ +70°C, or order code		25.1MHz ~ 30,0 MHz = 35 Ohm
Load Capacitance CL	standard 16pF; available 8pF ~ 32pF, SR		30,1MHz ~ 54MHz = 25 Ohm
Shunt Capacitance C0	7pF max.		40,0MHz ~ 200,0MHz = 80 Ohm (3.O.T)
Aging	±3ppm/year max		
Storage Temperature	-55°C - +125°C		Temp. Tolerance (ppm)
Drive Level	200µW max.		-20°C ~ +70°C standard ±30 available ±10 ~ ±50
RoHS	according to RoHS-2 2011/65/EU		-40°C ~ +85°C standard ±50 available ±10 ~ ±50
Contents Of Reel	1000 pcs		-40°C ~+125°C available ±70 ~ ±150

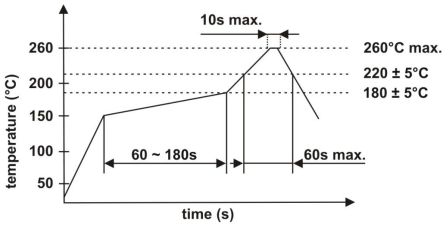
Drawing (mm)



Tape dimension (mm)



Soldering profile



Order code

Q	- 20.000000M	- HC6035/4	- F	- 30	- 30	- D	- 16	- TR
Part	**Frequency**	**Package**	**Mode of oscillation**	**Frequency tolerance**	**Temperature tolerance**	**Temperature range**	**Load capacitance**	**Option**
Q=Quartz	M=MHz	HC6035/4 /4 = 4 pads	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