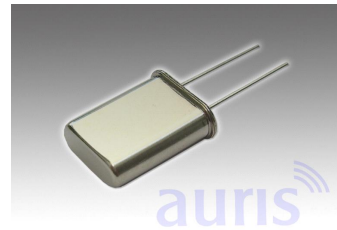


## Features THT-Metal

- Industry standard packages
- Wide frequency range
- Low ESR

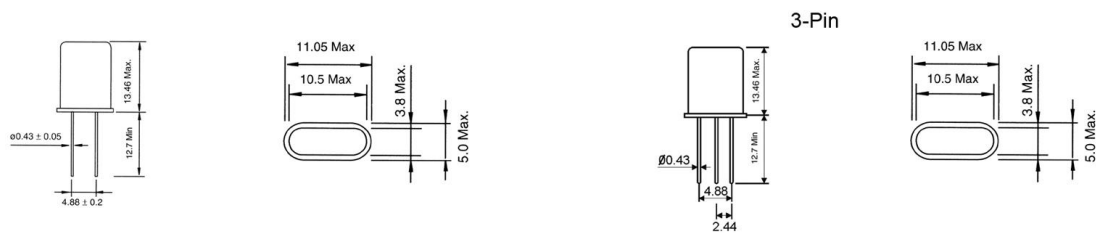


## HC49U

### Specification

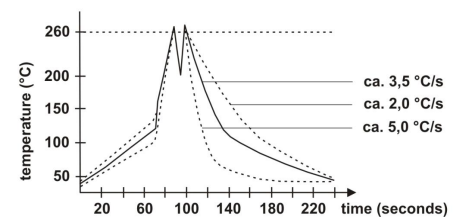
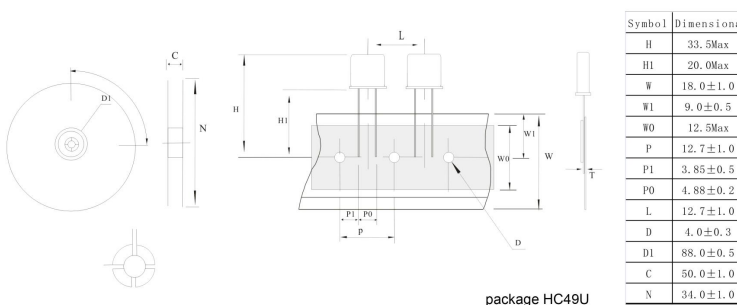
Type	HC49U	ESR max.
Frequency Range fundamental	1,8432MHz ~ 48,000 MHz (AT cut)	1,8432MHz ~ 2,9MHz = 400 Ohm
Frequency Range over tone	20,000MHz ~ 180,000MHz (AT cut)	3,0MHz ~ 4,9MHz = 90 Ohm
Frequency Tolerance at 25°C±5°C	standard ±30ppm; available ±5 ~ ±50ppm	5,0MHz ~ 9,9MHz = 40 Ohm
Temperature Range	0°C ~ +70°C, or order code	10,0MHz ~ 48,0MHz = 25 Ohm
Load Capacitance CL	standard 30pF; available 5pF ~ 50pF, SR	20,0MHz ~ 100,0MHz = 40 Ohm (3.O.T.)
Shunt Capacitance C0	<7pF	60,0MHz ~ 150,0MHz = 80 Ohm (5.O.T.)
Aging	±5ppm/year max	
Storage Temperature	-40°C - +85°C	Temp. Tolerance at 25°C± 5°C (ppm)
Drive Level	1000µW max.	-20°C ~ +70°C standard ±30 available ±5 ~ ±50
RoHS	compliant	-40°C ~ +85°C standard ±50 available ±10 ~ ±50
Contents Of Bag	100 pcs	-40°C ~ +105°C available ±30 ~ ±100

### Drawing (mm)



### Tape dimensions (mm)

### Soldering profile



### Order code

Q	- 10.00000M	- HC49U	- F	- 30	- 30	- D	- 30	- I
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HC49U	F=fund. 3=3.OT 5=5.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	pF SR=series	3P=3Pin version MJ=Metal jacket TR=Taped and reeled I=Isolation washers X=Special options