

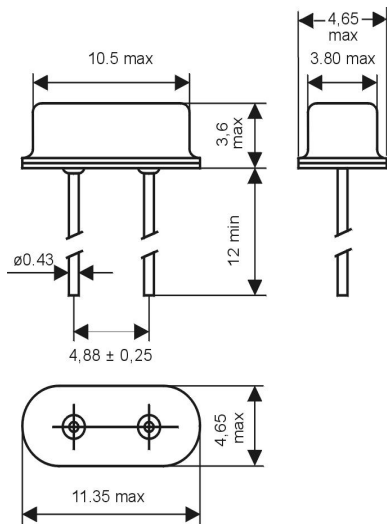


# Quartz Crystal

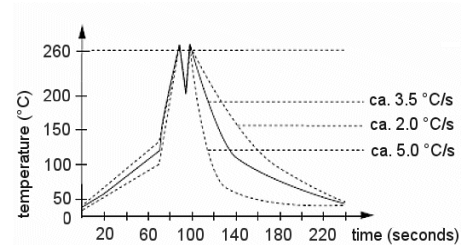
## HC-49/U3H (low profile)

part no.	12.xxxxx
model	KX - 3H
frequency range	3.20 ~ 70.0 MHz
holder type	HC-49/U3H
mode	fundamental, 3 <sup>rd</sup> overtone
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (= KX-3HT); -40° ~ +105°C (= KX-3HE)
frequency tolerance at +25°C	standard ±30 ppm available ±10 ~ ±30 ppm
temperature tolerance at -20° ~ +70°C at -40° ~ +85°C at -40° ~ +105°C	standard ±50 ppm; available ±15 ~ ±50 ppm standard ±100 ppm; available ±25 ~ ±100 ppm standard ±120 ppm; available ±35 ~ ±120 ppm
load capacitance C <sub>L</sub>	standard: 16 pF, available 12 ~ 30 pF
series resistance R1 (ESR) max.	fundamental    3.5 ~ 3.99 MHz 150 Ohm 4.0 ~ 5.99 MHz 120 Ohm 6.0 ~ 7.99 MHz 80 Ohm 8.0 ~ 9.99 MHz 60 Ohm 10.0 ~ 40.0 MHz 50 Ohm 3 <sup>rd</sup> overtone    35.0 ~ 39.99 MHz 100 Ohm 40.0 ~ 49.99 MHz 80 Ohm 50.0 ~ 70.0 MHz 50 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance C <sub>0</sub> max.	7 pF
drive level max.	0.1 mW
contents of standard package	200 pcs.per bag / 2000 pcs. per box (10 bags)

**Dimensions (mm):**



**Wave soldering condition:**



**Tape specification:**

