

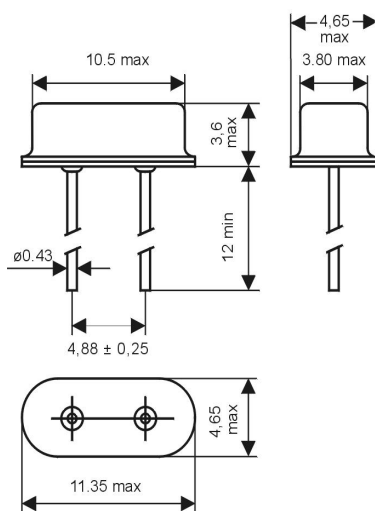


## Quartz Crystal

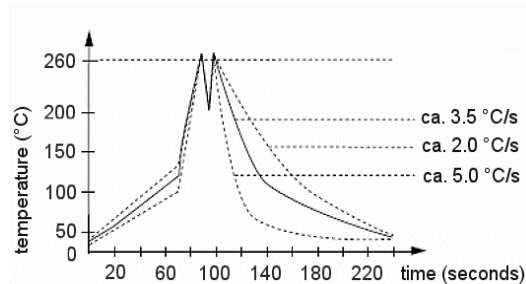
HC-49/U3H (low profile)

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) available -40° ~ +105°C (= KX-3HE)																								
frequency tolerance at +25°C	standard ± 30 ppm available ±10 ~ ± 30 ppm																								
temperature tolerance at -20° ~ +70°C	standard ± 50 ppm , available ± 15 ~ ± 50 ppm																								
at -40° ~ +85°C	standard ± 100 ppm , available ± 25 ~ ± 100 ppm																								
at -40° ~ +105°C	standard ± 120 ppm , available ± 35 ~ ± 120 ppm																								
load capacitance C <sub>L</sub>	standard: 16 pF, avail. 12 ~ 30 pF																								
series resonance R1 max.	<table border="0"> <tr> <td>fundamental</td> <td>3,5 ~ 3,99 MHz</td> <td>150 Ohm</td> </tr> <tr> <td></td> <td>4,0 ~ 5,99 MHz</td> <td>120 Ohm</td> </tr> <tr> <td></td> <td>6,0 ~ 7,99 MHz</td> <td>80 Ohm</td> </tr> <tr> <td></td> <td>8,0 ~ 9,99 MHz</td> <td>60 Ohm</td> </tr> <tr> <td></td> <td>10,0 ~ 40,0 MHz</td> <td>50 Ohm</td> </tr> <tr> <td>3<sup>rd</sup> overtone</td> <td>35,0 ~ 39,99 MHz</td> <td>100 Ohm</td> </tr> <tr> <td></td> <td>40,0 ~ 49,99 MHz</td> <td>80 Ohm</td> </tr> <tr> <td></td> <td>50,0 ~ 70,0 MHz</td> <td>50 Ohm</td> </tr> </table>	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
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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)																								

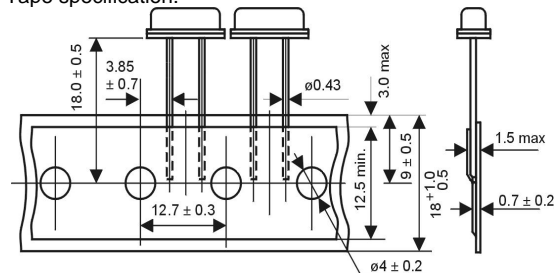
### Dimensions (mm):



### Wave soldering condition:



### Tape specification:



Taped crystals upon request