

## QUARTZ CRYSTALS

### HC-49/U3H (low profile)

model	KX - 3H																								
frequency range	3,20 - 70 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 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, avail. 12 - 20 pF																								
series resonance R <sub>1</sub> 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 (first year)	± 5 ppm																								
shunt capacitance C <sub>0</sub> max.	7 pF																								
drive level mW	0,1																								
lead-free	started from date code July, 2005																								
order no.	12.84100 - 12.84999																								

