

# Kingtronics®

# QKT - HC49SMD QUARTZ CRYSTAL

## FEATURES

- Low cost, Good aging
- Wide frequency range, Pb-free & RoHS Compliance

## PICTURE



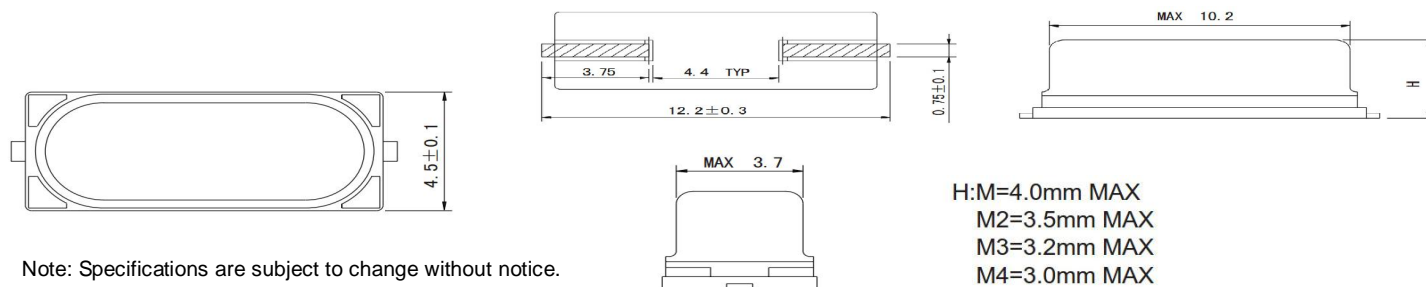
## SPECIFICATIONS

Holder Type	HC-49S SMD 2pad
Frequency Range	3.200 to 100.000 MHZ
Operating Temperature Range	-20 - +70 / -40 - +85
Storage Temperature Range	-40 - +85 / -55 - +125
Drive Level	100uW typical
Load Capacitance	8pF-32pF or Suggested by customer
Frequency Tolerance	±10ppm to ±30ppm or custom-designed
Frequency Stability	±50ppm or custom-designed
Shunt Capacitance	7.0pF max
Insulation Resistance	500MΩ Min. at DC 100V
Aging First Year	±3ppm/ year Maximum

## EQUIVALENT SERIES RESISTANCE(ESR) AND MODE OF OPERATION

Frequency Range	ESR(Ω)	Mode
3.200 ≤ f 3.579 MHZ	250max	Fundamental
3.579 ≤ f 4.000 MHZ	150max	Fundamental
4.000 ≤ f 5.000 MHZ	120max	Fundamental
5.000 ≤ f 6.000 MHZ	100max	Fundamental
6.000 ≤ f 7.000 MHZ	80max	Fundamental
7.000 ≤ f 10.000 MHZ	60max	Fundamental
10.000 ≤ f 14.000 MHZ	50max	Fundamental
14.000 ≤ f 20.000 MHZ	40max	Fundamental
20.000 ≤ f 48.000 MHZ	30/40 BT cut Max	Fundamental
35.000 ≤ f 40.000 MHZ	100max	3rd Overtone
40.000 ≤ f 100.000 MHZ	80max	3rd Overtone

## MECHANICAL DIMENSIONS: Unit: mm



Note: Specifications are subject to change without notice.

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