



# QKT - HC49SMD QUARTZ CRYSTAL

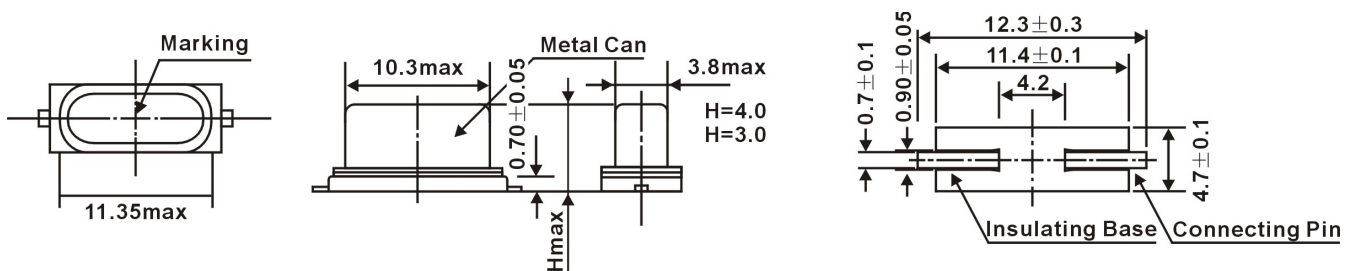
## ■ FEATURES

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

SPECIFICATIONS	
Holder Type	HC-49S SMD 2pad
Frequency Range	3.200MHz – 90.000MHz
Operating Temperature Range	-10°C ~ +60°C typical or custom-designed
Storage Temperature Range	-40°C ~ +85°C typical
Drive Level	100uW typical
Load Capacitance	8pF-32pF or Series
Frequency Tolerance	±30ppm or custom-designed
Frequency Stability	±50ppm or custom-designed
Shunt Capacitance	7.0pF max
Insulation Resistance	500MΩmin.at DC 100V
Aging First Year	±5ppm max

EQUIVALENT SERIES RESISTANCE(ESR) AND MODE OF OPERATION		
Frequency Range	ESR(Ω)	Mode
3.200~3.579M	250max	Fundamental
3.580~4.000M	150max	Fundamental
4.001~5.000M	120max	Fundamental
5.001~6.000M	100max	Fundamental
6.001~7.000M	80max	Fundamental
7.001~8.000M	60max	Fundamental
8.001~9.999M	60max	Fundamental
10.00~13.999M	50max	Fundamental
14.00~35.328M	40max	Fundamental
24.00~34.999M	100max	3rd Overtone
35.00~90.000M	80max	3rd Overtone

## ■ MECHANICAL DIMENSIONS



Packing: 1000pcs per reel

Unit: mm

Note: Specification are subject to change without notice.