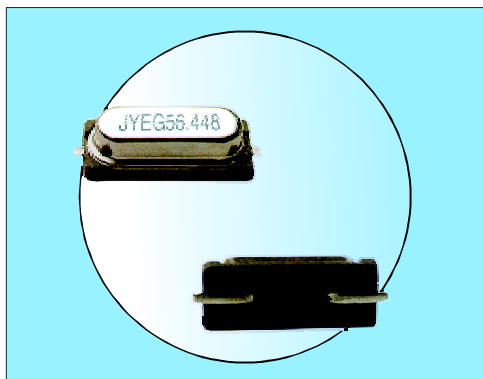


Quartz Crystals

Surface Mount Type Quartz Crystal / HC-49US/SMD



Features

- JYEG part number: JYSD1, JYSD1-3, JYSD2
- AT、BT available
- Tape and reel
- Tight tolerance/stability

TYPICAL SPECIFICATIONS

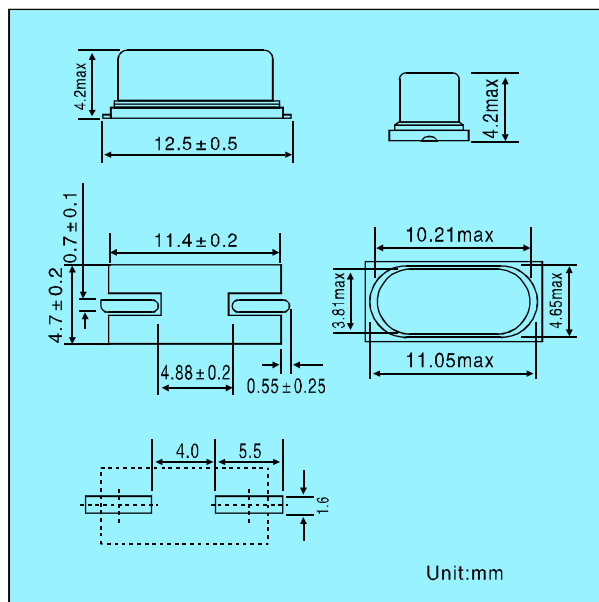
Type	HC-49US/SMD	HC-49US[3.2]/SMD	HC-49US/SMD-3
Frequency Range	3.4875~36MHz	24~44MHz	24.576~75MHz
Mode of Vibration	AT Fundamental	BT Fundamental	3rd Overtone
Resonance Resistance(Ω)	150~25	30~40	120~60
Frequency Tolerance at 25℃	± 5ppm~ ± 50ppm		
Shunt Capacitance	7pF Max		
Frequency Stability Over Temperature Range	AT CUT(See table)	BT CUT	± 50ppm/0℃~+50℃
			± 100ppm/-10℃~+60℃
			± 125ppm/-20℃~+70℃
Load Capacitance	5~50pF or Series		
Insulation Resistance	> 500MΩ/DC100V ± 15V		
Drive Level	200nW~1mW		
Aging	± 3ppm~5ppm/year		

FREQUENCY STABILITY OVER TEMPERATURE RANGE(AT CUT)

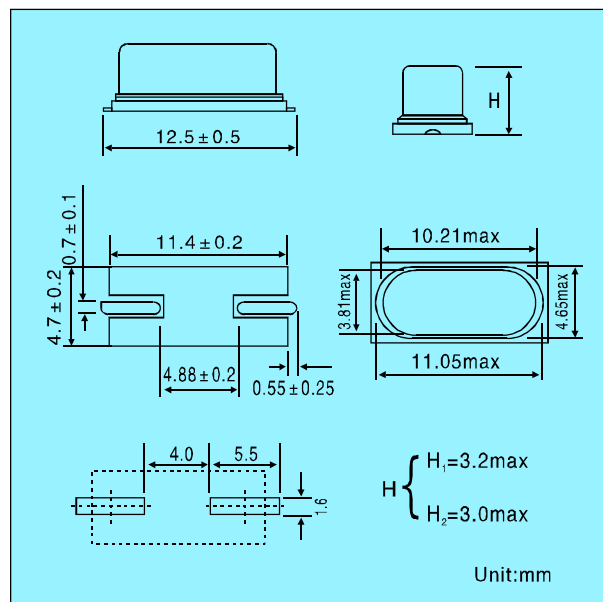
Temperature Range	Frequency Stability						
	$\pm 3\text{ppm}$	$\pm 5\text{ppm}$	$\pm 10\text{ppm}$	$\pm 15\text{ppm}$	$\pm 20\text{ppm}$	$\pm 30\text{ppm}$	$\pm 50\text{ppm}$
$0^{\circ}\text{C} \sim +50^{\circ}\text{C}$	☆	☆	☆	☆	☆	☆	☆
$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$		☆	☆	☆	☆	☆	☆
$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$			☆	☆	☆	☆	☆
$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$				☆	☆	☆	☆
$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$						☆	☆
$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$							☆

Quartz Crystals

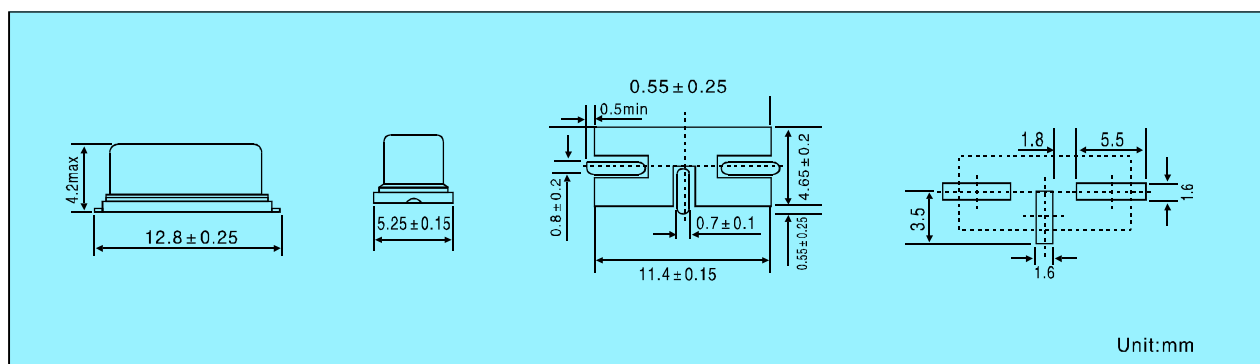
HC-49US(3.5)/SMD(JYSD1)



HC-49US/SMD(JYSD2)



HC-49US/SMD-3PIN(JYSD1-3)



TAPE AND REEL DIMENSIONS

