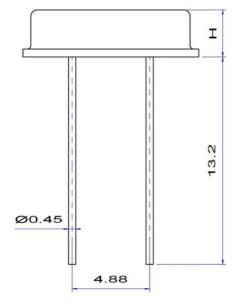
## **HC-49S**



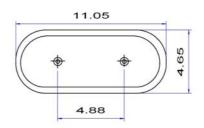


Features	<ul> <li>Applications: microprocessors, audio, instruments, interface</li> </ul>
	<ul> <li>Low profile package</li> </ul>
	<ul> <li>Excellent environmental performance</li> </ul>
	<ul> <li>High reliable, low cost crystal</li> </ul>

Parameter	Specification			
Frequency range	3.2 ~ 36 MHz 36 ~ 70 MHz	fundamental 3 <sup>rd</sup> overtone		
Mode of oscillation	AT cut			
Standard frequencies	3.579545, 9.0316, 10.24	00, 10.2450, 12.000, & 26.000 MHz		
Frequency tolerance	±10 ~ ±50 ppm	@ +25 °C		
Frequency stability	±10 ~ ±50 ppm	vs. operating temperature range		
Aging	±3 ppm 1 <sup>st</sup> year			
Load capacitance	series or parallel resonance (CL = 8 ~ 32 pF)			
Equivalent series resistance (ESR)	< 35 Ω @ 26 MHz < 20 Ω @ 48 MHz			
Operating temperature range	-10 ~ +60 °C -40 ~ +85 °C	commercial application industrial application		
Storage temperature range	-55 ~ +125 °C			
Packaging	bulk in plastic bag			
Customer specifications on request				



Case Height = 2.0 ~ 4.5 mm



Do not design any conductive path between the pattern



