

- Low-profile version of industry-standard HC49
- Available as HUS (3.5mm height) and HUSL (2.5mm height)
- low cost and light weight
- High frequency fundamental mode is available in BT-Cut

DESCRIPTION

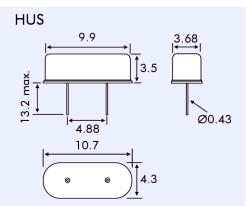
HUS crystals share the same base outline as the industry-standard HC49 crystal. The crystal uses at AT-cut strip crystal with an hermetically sealed can. HUS crystals provide a low cost source of system clock frequency.

SPECIFICATION

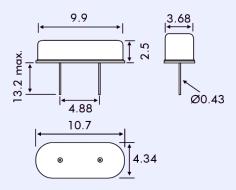
Frequency Range:	3.2MHz to 70.0MHz	
Oscillation Mode		
AT-Cut Fundamental:	3.2MHz to 48.0MHz	
BT-Cut Fundamental:	24.0MHz to 48.0MHz	
AT-Cut 3rd Overtone:	27.0MHz to 70.0MHz	
Calibration Tolerance at 25°C		
AT-Cut:	±5, ±10, ±20 or ±30ppm	
Frequency Stability:	See table	
Load Capacitance (CL):	Series or from 8pF to 32pF	
Ageing at 25°C:	±3ppm maximum, 1st year,	
	±1ppm per year thereafter.	
Drive Level:	100μWatts typ., 500μWatts max.	
Storage Temperature Range:	-50° to +105°C	
Crystal Holder:	Resistance-weld hermetic seal	
RoHS Status:	RoHS Compliant and pB free	
Supply format:	Bulk pack	



OUTLINE & DIMENSIONS



HUSL



Frequency Crystal C

ESR and OSCILLATION MODE

Frequency Range MHz	Crystal Cut/ Oscill. Mode	ESR Ω Max.
3.2 ~ 3.4	AT-Fund	300
3.5 ~ 6.0	AT-Fund	120
6.1 ~ 10.0	AT-Fund	60
10.1 ~ 30.0	AT-Fund	40
24.0 ~ 48.0	BT-Fund	40
27.0 ~ 30.0	AT-3rd OT	150
30.1 ~ 50.0	AT-3rd OT	100
50.1 ~ 70.0	AT-3rd OT	80

PART NUMBER FORMAT

