

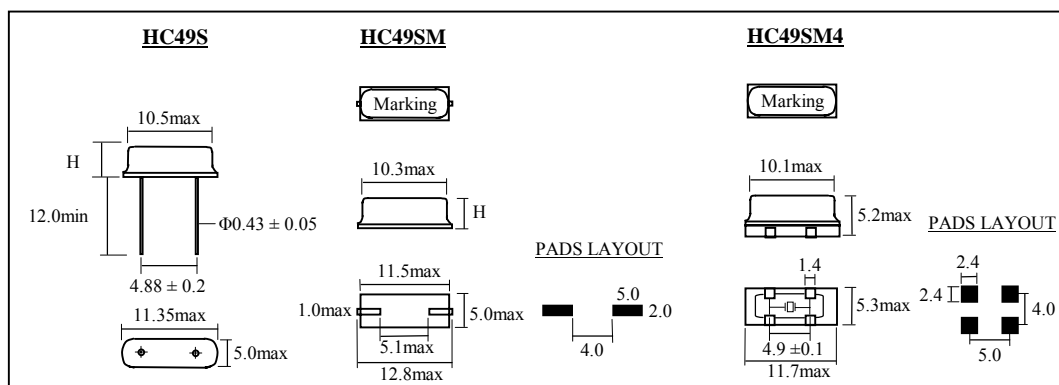
HC-49S & HC-49SM
Low Profile Thru-Hole & SMD Crystal

- FEATURES**
- . Low Profile HC-49 Resistance Welded Seal
 - . Wide Frequency & Temperature. Range
 - . Tight Tolerance & Stability

SPECIFICATIONS (subject to change w/o notice)

Frequency Range	3.5MHz ~ 85MHz	
Operating Temp.	0°C ~ +50°C to -40°C ~ +105°C	
Storage Temp.	-55°C ~ 125°C	
Frequency Tolerance	±10/15/20/30/50ppm @ 25°C	
Frequency Stability	±5/10/15/20/30/50/100ppm (Ref. to 25°C) per temperature range	
Load Capacitance	Series or 10pF~32pF	
Shunt Capacitance	7pF Max	
Drive Level	10μW ~ 1mW	
Aging (25°C)	±5ppm Max/year	
Insulation Resistance	500MΩ Min @ 100VDC	
Equivalent Series Resistance	150Ω @ 3.5MHz~4.09MHz, Fundamental 120Ω @ 4.1MHz~4.47MHz, Fundamental 100Ω @ 4.8MHz~5.79MHz, Fundamental 90Ω @ 5.8MHz~11.99MHz, Fundamental	70Ω @ 12.MHz~14.29MHz, Fundamental 50Ω @ 14.3MHz~24.0MHz, Fundamental 80Ω @ 24.1MHz~ 48.0MHz, Fundamental/3 rd Overtone 60 Ω @ 48.1MHz~ 85MHz, 3 rd Overtone

OUTLINE
(mm) not to scale



PART NUMBERING

Model	Frequency	Load	Tolerance	Stability	Temperature	Packaging	Profile Options
HC49S HC49SM HC49SM4	MHz Value	pF Value or S: Series	5: 50ppm 4: 30ppm 3: 20ppm 2: 15ppm 1: 10ppm	6: 100ppm 5: 50ppm 4: 30ppm 3: 20ppm 2: 15ppm 1: 10ppm 0: 5ppm	Blank: -10C ~ +60C J: -20C ~ +60C K: -30C ~ +60C C: 0C ~ +70C M: -20C ~ +70C N: -30C ~ +75C I: -40C ~ +85C E: -40C ~ +105C	Blank: Bulk R: Tape & Reel	HC49S: Blank: 3.5mm Height L: 2.5mm Height HC49SM: Blank: 4.4mm Height L: 3.2mm Height
Example: HC49S-16.384-18-55			Please Consult Microcom Devices Ltd. for Custom Specifications				