

Features

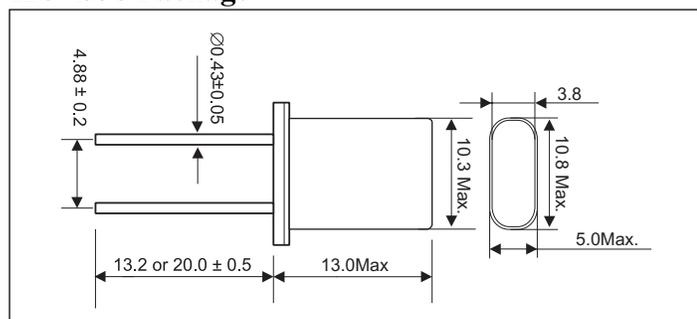
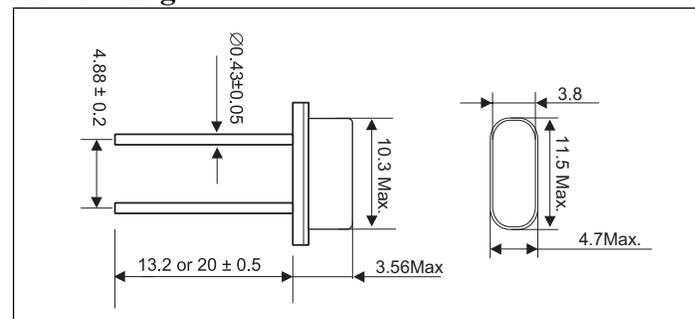
- High Precision: 27.000000MHz & 35.328000MHz
- “AT” Cut / Fundamental Mode
- Operating Temp.: -10°C to +70°C
- Available in ATS & HC-49/U package

Description

The 27.000MHz and 35.328MHz crystals are made specific for Pericom VCXO products PI6CX100-27 and PI6CX100-35, respectively. Both crystals are AT cut, low cost, precise frequency, tight tolerance, tight stability and low aging.

Specification

Nominal Frequency	27.000000MHz	35.328000MHz
Oscillation Mode	Fundamental	
Frequency Tolerance @ 25°C ± 3°C	± 20ppm	
Temperature Frequency Stability	± 20ppm	
Operating Temperature Range	-10°C to +70°C	
Storage Temperature Range	-40°C to +85°C	
Load Capacitance (CL)	18pF	17pF
Shunt Capacitance (C0)	7pF (max.)	
Shunt/Motional Capacitance (C0/C1)	250 (max.) (330 for ATS)	
Resistance (ESR or CI)	25ohm (max.)	
Aging	3ppm per year (max.)	
Drive Level	1.0mW	
Insulation Resistance	500Mohm (min. @ 100V)	

HC-49/U Package

ATS Package

Ordering Information

Ordering Code	Description	Package Type	Operating Range	Packaging
PI6X027XLX	27.000MHz	ATS Thru-Hole	-10°C to +70°C	Tape and Reel
PI6X035XLX	35.328MHz	ATS Thru-Hole		
PI6X027XUX	27.000MHz	HC-49/U Thru-Hole		
PI6X035XUX	35.328MHz	HC-49/U Thru-Hole		

Note: All dimensions are in mm (millimeters)