

**Features**

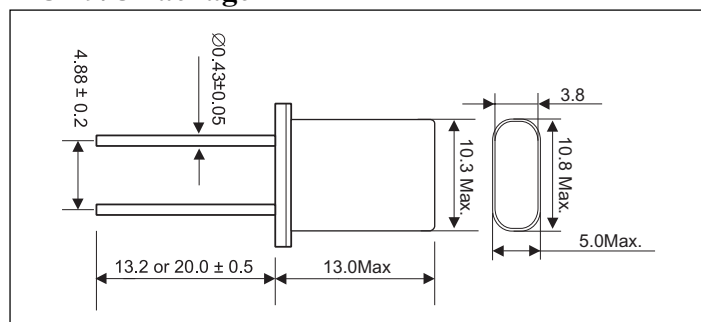
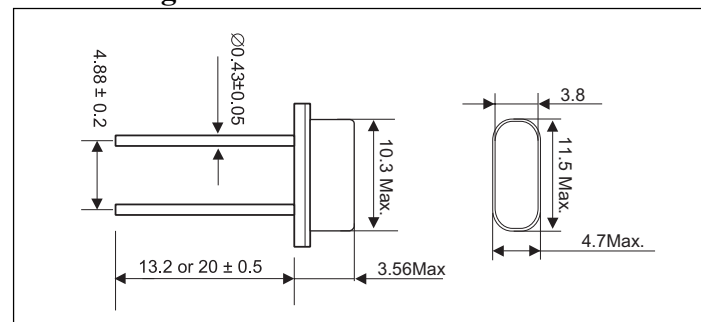
- High Precision: 27.000000MHz & 35.328000MHz
- “AT” Cut / Fundamental Mode
- Operating Temp.: -10°C to +70°C
- Available in ATS & HC-49/U package

**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)