

## Quartz Crystals

3.579MHz to 66.0MHz



### FEATURES

- Low profile.
- Hermetically sealed.
- Tape and reel packaging.

### STANDARD ELECTRICAL SPECIFICATIONS

| FREQUENCY RANGE (MHz) | MODE OF VIBRATION | ESR MAX. (Ohms) |
|-----------------------|-------------------|-----------------|
| 3.579 - 3.999         | "AT" Fundamental  | 150             |
| 4.0 - 4.499           | "AT" Fundamental  | 150             |
| 4.5 - 4.999           | "AT" Fundamental  | 120             |
| 5.0 - 5.999           | "AT" Fundamental  | 120             |
| 6.0 - 6.999           | "AT" Fundamental  | 100             |
| 7.0 - 7.999           | "AT" Fundamental  | 90              |
| 8.0 - 8.999           | "AT" Fundamental  | 80              |
| 9.0 - 9.999           | "AT" Fundamental  | 60              |
| 10.0 - 12.999         | "AT" Fundamental  | 50              |
| 13.0 - 19.999         | "AT" Fundamental  | 40              |
| 20.0 - 30.0           | "AT" Fundamental  | 40              |
| 30.001 - 66.0         | "AT" 3rd Overtone | 80              |

### STANDARD SPECIFICATIONS

**Operating Temperature Range:** 0°C to + 70°C. (Contact factory for extended temperature range.)

**Frequency Range:** 3.579MHz to 66.0MHz.

**Frequency Tolerance:**  $\pm 50\text{PPM}$  @ + 25°C  $\pm 3^\circ\text{C}$  (typical).

**Temperature Stability:**  $\pm 50\text{PPM}$  (typical).

**Storage Temperature:** - 40°C to 85°C.

**Mode of Vibration:** "AT" Fundamental, or "AT" 3rd Overtone.

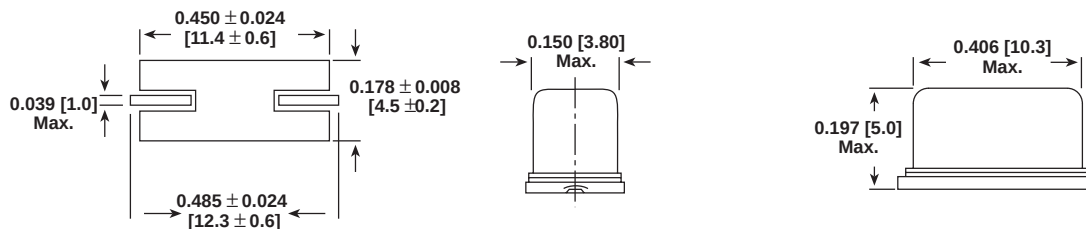
**Load:** 10 to 32pF or series resonant.

**Drive Level:** 1mW maximum.

**Shunt Capacitance:** 7pF maximum.

**Seal:** Resistance weld.

### DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]



### HOW TO ORDER

**XT49M**  
MODEL

**- 20**  
LOAD

Blank = Series  
- 20 = 20pF  
- 30 = 30pF  
- 32 = 32pF

**PACKAGING**

Blank = Bulk  
TR = Tape and Reel

**20M**  
FREQUENCY/MHz