

Microprocessor Crystals

Surface Mount 10.0MHz to 64.0MHz



FEATURES

- Lead-less crystal for surface mounting.
- Withstand solder re-flow techniques.
- Slim-line profile.
- Standard 1000 pieces on tape and reel.

EQUIVALENT SERIES RESISTANCE

FREQUENCY RANGE (MHz)	MODE OF VIBRATION	ESR MAX. (Ohms)
10.0 - 11.9	"AT" Fundamental	120
12.0 - 19.9	"AT" Fundamental	80
20.0 - 40.0	"AT" Fundamental	60
40.1 - 64.0	3rd Overtone	120

STANDARD SPECIFICATIONS

Operating Temperature Range: - 10°C to + 60°C.

Frequency Tolerance: ± 50PPM.

Frequency Stability: ± 100PPM @ 25°C.

Aging Characteristics: ± 5PPM maximum @ 25°C per year.

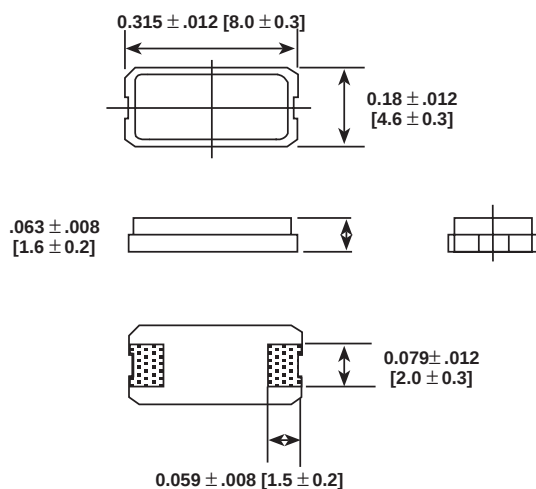
Load Capacitance: 10 to 32pF or series resonant.

Drive Level: 0.1mW maximum.

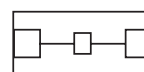
Shunt Capacitance: 7pF maximum.

Tape and Reel: 1000 pieces.

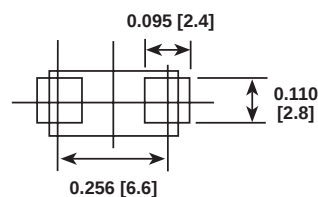
DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]



Internal Connections



Recommended Footprint



HOW TO ORDER

XT36C
MODEL

LOAD

Blank = Series
12 = 12pF
16 = 16pF
20 = 20pF
32 = 32pF

24M
FREQUENCY