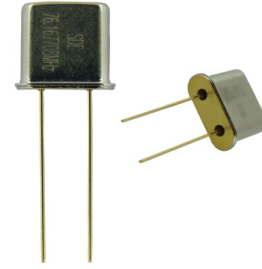




**DESCRIPTION**

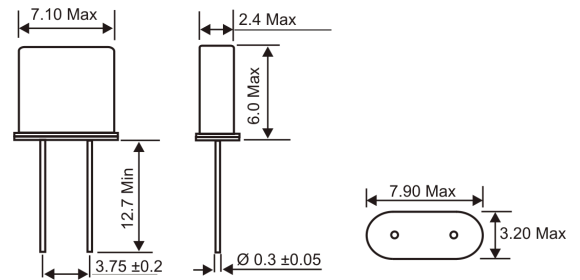
This UM-5 crystal is available with a wide frequency range (10.000MHz to 200.000MHz), grade tight tolerances. Packages have a small footprint ideal for space limited applications.



**ELECTRICAL SPECIFICATION**

Frequency Range	10.000 to 200.000MHz
Load Capacitance	16pF to Series
Frequency Tolerance (at 25 °C)	±50ppM Maximum
Frequency Stability in Temperature	±50ppM Maximum
Operating Temperature Range	-10 °C to +60 °C Standard (or Optional)
Storage Temperature Range	-40 °C to +85 °C
Equivalent Series Resistance (ESR)	See ESR Table
Drive Level	1.0mW Maximum
Shunt Capacitance	7pF Maximum
Aging (at 25 °C)	±3ppM per year
Insulation Resistance	500 MOhm Minimum

**MECHANICAL DIMENSIONS (all in mm)**



**FREQUENCY RANGE AND OSCILLATION MODE**

Fundamental (F)	10.000 to 50.000MHz
Third Overtone (3OT)	30.000 to 150.000MHz
Fifth Overtone (5OT)	80.000 to 200.000MHz

**ESR TABLE (Ohms)**

10.0 to 15.0MHz	60
16.0 to 50.0MHz	50
30.0 to 150.0MHz (Third Overtone)	80
80.0 to 200.0MHz (Fifth Overtone)	120

**PART NUMBERING SYSTEM (Example)**

