## **UM-1**

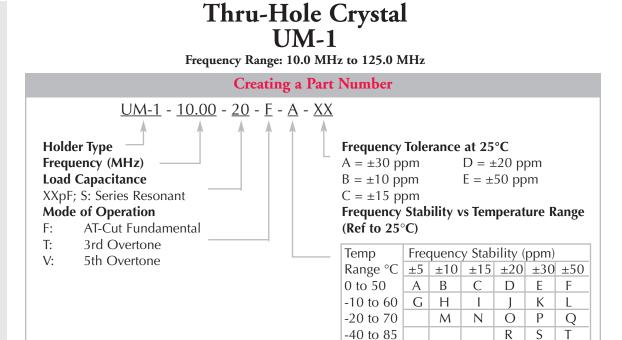
Thru-Hole Crystal

## Size, mm

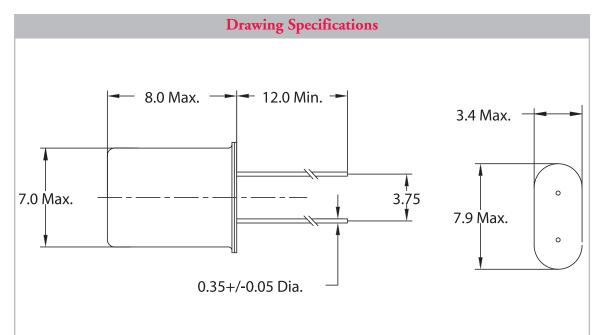
7.9 x 3.4 x 8.0 Frequency Stability ±5 PPM Temperature Range -10°C to 60°C Frequency Range 10.0-125.0 MHz

## Features

- Meets NEL requirements for product reliability
- Resistance welded low profile holder
- Frequency range 10.0 MHz to 125.0 MHz
- Special frequencies available



| Electrical Specifications                     |                                       |                |
|---|---------------------------------------|----------------|
| Frequency Range (Fo)                          | 10.000 MHz to 125.000 MHz             |                |
| Storage Temperature Range (T <sub>STG</sub> ) | -55°C to 125°C                        |                |
| Shunt Capacitance (Co)                        | 7 pF Max.                             |                |
| Load Capacitance (C <sub>L</sub> )            | 10 to 32 pF or Series Resonant        |                |
| Insulation Resistance                         | 500 Megaohms Minimum at 100 VDC       |                |
| Drive Level                                   | 1 mWatts Max.                         |                |
| Aging (at 25°C)                               | ±3 ppm/year Max.                      |                |
| Leak  | 2x10 <sup>-8</sup> cc/sec. Max Helium |                |
| Equivalent Series Resistance                  | Frequency Range                       | E.S.R. (Ω) Max |
| Mode: Fundamental                             | 10.000 to 12.999 MHz                  | 60             |
| Mode: Fundamental                             | 13.000 to 19.999 MHz                  | 40             |
| Mode: Fundamental                             | 20.000 to 29.999 MHz                  | 30             |
| Mode: 3rd Overtone                            | 24.000 to 39.000 MHz                  | 60             |
| Mode: 3rd Overtone                            | 40.000 to 59.999 MHz                  | 50             |
| Mode: 3rd Overtone                            | 60.000 to 79.999 MHz                  | 50             |
| Mode: 3rd Overtone                            | 80.000 to 125.000 MHz                 | 100            |





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Dimensions shown in millimeters.