## **UM-1**

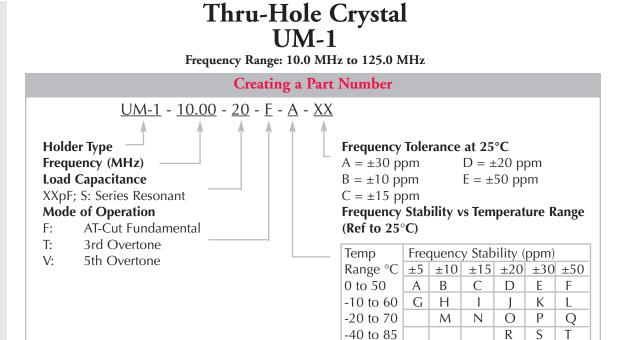
Thru-Hole Crystal

## Size, mm

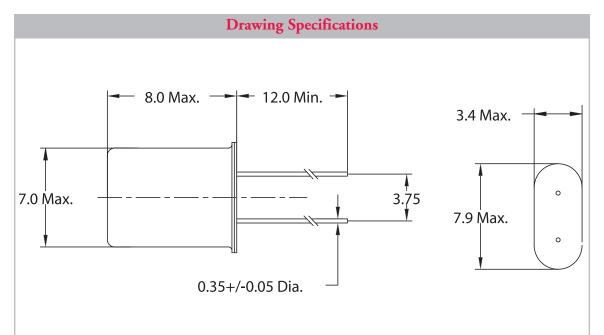
7.9 x 3.4 x 8.0 Frequency Stability ±5 PPM Temperature Range -10°C to 60°C Frequency Range 10.0-125.0 MHz

## 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





For the most up to date specifications on each NEL product, log on to our website—www.nelfc.com

Dimensions shown in millimeters.