

Miniature Resistance Weld Crystal

The UM1N series is a AT-cut crystal housed in a miniature resistance weld package that provides for an excellent hermetic seal and frequency aging. This high quality crystal offers a smaller footprint in a wide frequency range.

UM1N

RoHS Compliant

Specifications:

Frequency Range: 6.0 MHz ~ 45 MHz Fundamental
25 MHz ~ 200 MHz Overtone

Operating Temperature: 0°C ~ +50°C -A
-10°C ~ +60°C -B
-20°C ~ +70°C -C
-40°C ~ +85°C -L

Storage Temperature: -55°C ~ +125°C

Frequency Tolerance: ± 50 ppm -50
(at 25°C) ± 30 ppm -30
± 20 ppm -20
± 10 ppm -10

Frequency Stability: ± 50 ppm -50
(over temperature range) ± 30 ppm -30
± 20 ppm -20
± 10 ppm -10

Circuit Condition: 10 pF ~ 32 pF or series

Equivalent Series Resistance: Maximum resistance corresponds to frequency. Please see ESR table.

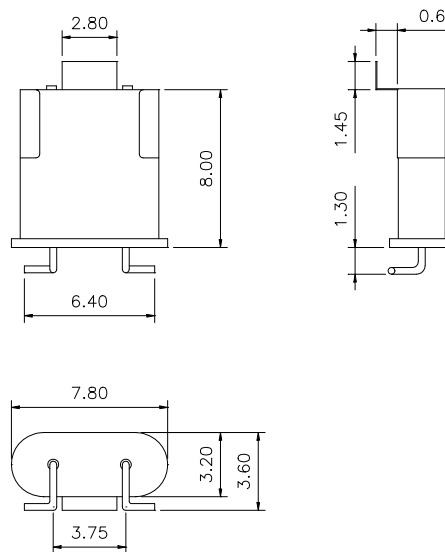
Drive Level: 100 μW max

Shunt Capacitance: 7 pF max

Aging: ± 3 ppm max per year

Optional Features: Fundamental -F
3rd, 5th, 7th O.T. -3,5,7
Tape & Reel -TR

UM-1N



All dimensions are in mm

Ordering Information

Product name + CL + Operating Temperature Range + Tolerance + Stability + Other Code + Frequency.

i.e. UM1N-20-C-30-30-F-24.000MHz

Note:

- Other frequencies, tolerances, stabilities, and operating temperature ranges available. Consult VTC Support for specific requirements.
- Not all combinations of the above tolerances, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.
- All specifications subject to change without notice.