

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

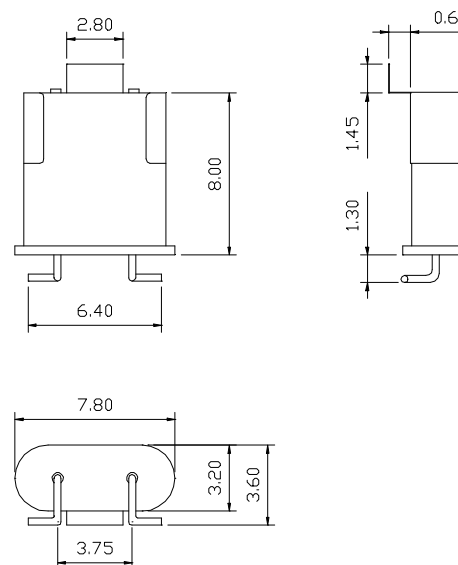
Specifications:

Frequency Range:	8.0 MHz ~ 50 MHz Fundamental 30 MHz ~ 130 MHz Overtone
Operating Temperature:	-10°C ~ +70°C Standard -40°C ~ +85°C Extended
Storage Temperature:	-55°C ~ +125°C
Frequency Tolerance: (at 25°C)	± 100 ppm ± 50 ppm Standard ± 30 ppm ± 20 ppm ± 10 ppm
Frequency Stability: (over temperature range)	± 100 ppm ± 50 ppm Standard ± 30 ppm ± 20 ppm ± 10 ppm
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:	Tape & Reel

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.

UM1N



All dimensions are in mm

Ordering Information

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

i.e. UM1N-24.00M-20-C-30-30-F