

## Surface Mount UM5J

The UM5J 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.

# UM5J

### Specifications:

<b>Frequency Range:</b>	10 MHz ~ 45 MHz	Fundamental
	30 MHz ~ 200 MHz	Overtone

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

<b>Storage Temperature:</b>	-55°C ~ +125°C
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<b>Frequency Tolerance:</b> (at 25°C)	± 50 ppm	-50
	± 30 ppm	-30
	± 20 ppm	-20
	± 10 ppm	-10

<b>Frequency Stability:</b> (over temperature range)	± 50 ppm	-50
	± 30 ppm	-30
	± 20 ppm	-20
	± 10 ppm	-10

<b>Circuit Condition:</b>	10 pF ~ 32 pF or series
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<b>Equivalent Series Resistance:</b>	Maximum resistance corresponds to frequency. Please see ESR table.
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<b>Drive Level:</b>	100 μW max
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<b>Shunt Capacitance:</b>	7 pF max
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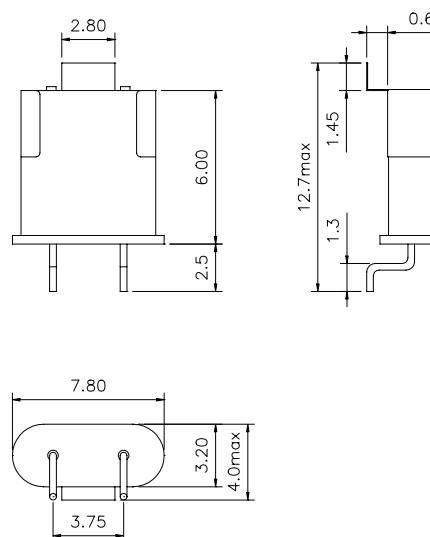
<b>Aging:</b>	± 3 ppm max per year
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<b>Optional Features:</b>	Fundamental	-F
	3 <sup>rd</sup> , 5 <sup>th</sup> , 7 <sup>th</sup> O.T.	-3,5,7
	Tape & Reel	-TR

#### 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.

### UM-5J



All dimensions are in mm

### Ordering Information

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

i.e. UM5J-20-C-30-30-F-24.000MHz