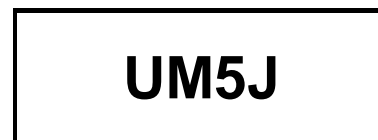


Surface Mount UM5J



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.

Specifications:

| | | |
|-------------------------|------------------|-------------|
| Frequency Range: | 10 MHz ~ 45 MHz | Fundamental |
| | 30 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: (at 25°C) | ± 50 ppm | -50 |
| | ± 30 ppm | -30 |
| | ± 20 ppm | -20 |
| | ± 10 ppm | -10 |

| | | |
|---|----------|-----|
| Frequency Stability: (over temperature range) | ± 50 ppm | -50 |
| | ± 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 | |
|---------------------------|----------|--|

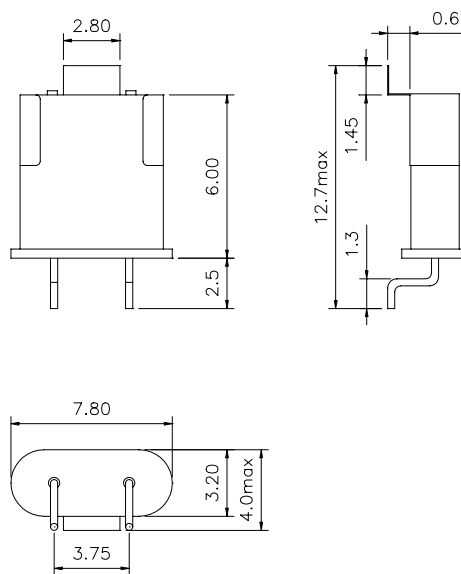
| | | |
|---------------|----------------------|--|
| Aging: | ± 3 ppm max per year | |
|---------------|----------------------|--|

| | | |
|---------------------------|--|--------|
| Optional Features: | Fundamental | -F |
| | 3 rd , 5 th , 7 th 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