

# WC415 Series Crystal

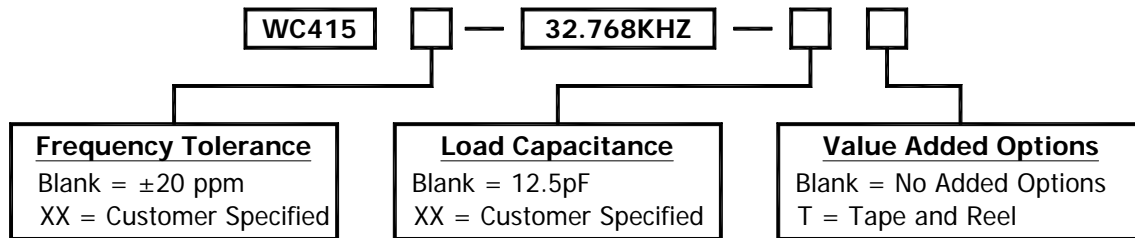


- Ceramic SMD Tuning Fork Crystal
- 32.768KHZ
- RoHS Compliant
- Tape and Reel Packaging Available



|                              |  |
|------------------------------|--|
| Frequency                    | 32.768KHZ  |
| Frequency Tolerance at +25°C | ±20 ppm  |
| Load Capacitance             | 12.5pF   |
| Operating Temperature        | -40°C to +85°C   |
| Storage Temperature          | -55°C to +125°C  |
| Turnover Temperature         | +25°C ±5°C   |
| Stability                    | -0.035 ppm / (change in °C) <sup>2</sup> max parabolic curve |
| Equivalent Series Resistance | 70k Ohms Max   |
| Drive Level                  | 1uW max  |
| Aging                        | ±3 ppm first year  |
| Quality Factor               | 30000 typ  |
| Shunt Capacitance            | 1.05pF Max   |

## Part Number Guide



Please consult with MMD sales department for any other parameters or options.

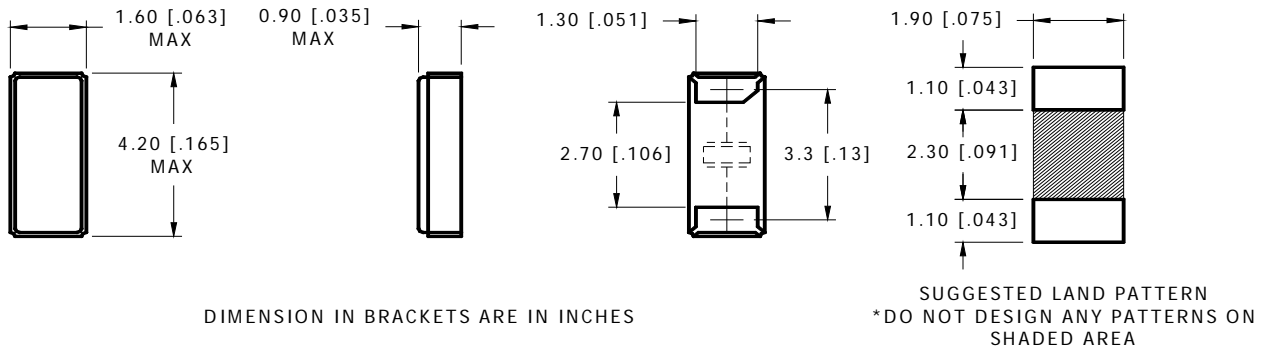


**MMD Monitor/Quartztek**  
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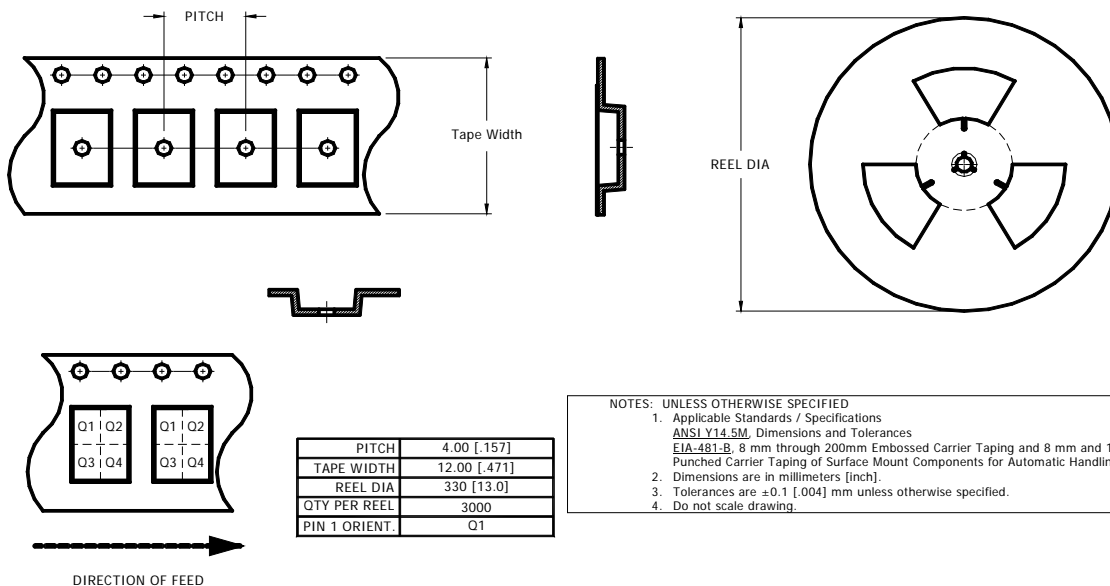


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| Revision: | 11/08/10 D |
|-----------|------------|

## Mechanical Details



## Tape & Reel



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