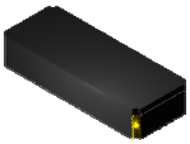
WC315 Series Crystal

- **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)^2 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

WC315 □ — **32.768KHZ** — □ □

Frequency Tolerance
Blank = ±20 ppm
XX = Customer Specified

Load Capacitance
Blank = 12.5pF
XX = Customer Specified

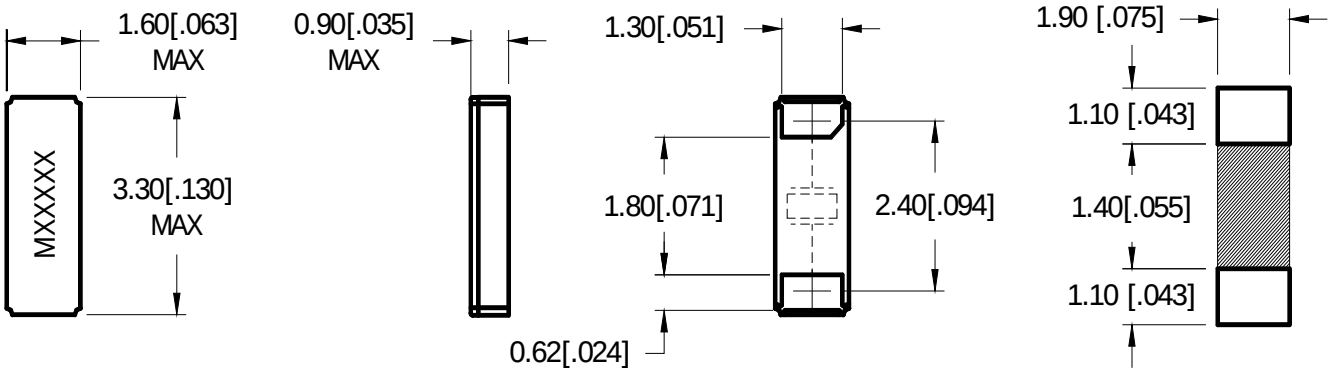
Value Added Options
Blank = No Added Options
T = Tape and Reel

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

MMD Monitor / Quartztek
30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com

Revision:	WC315063011C

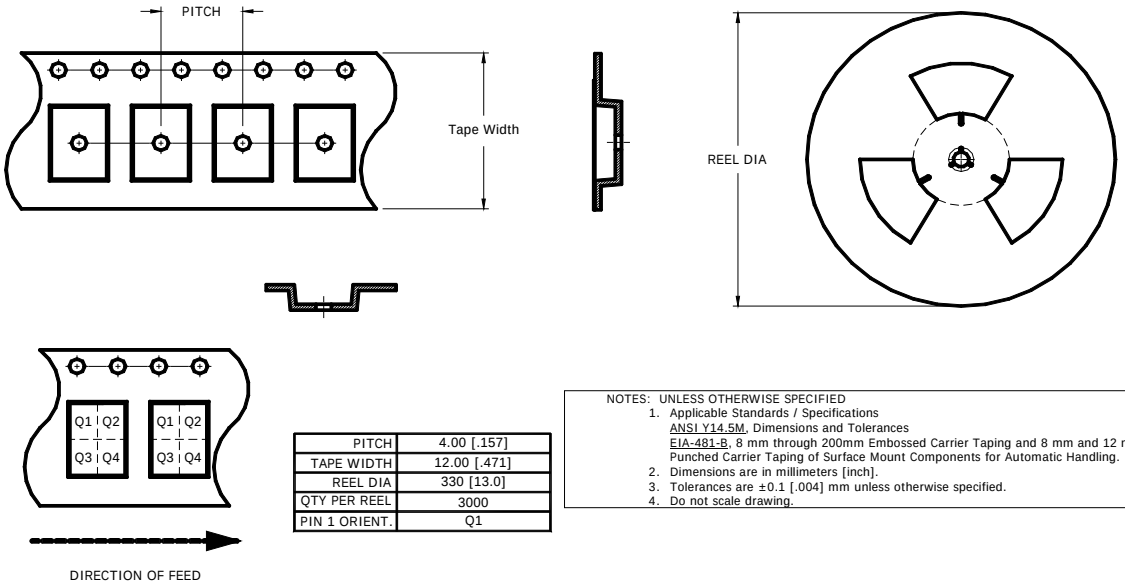
Mechanical Details



DIMENSION IN BRACKETS ARE IN INCHES
FACTORY MARKING

SUGGESTED LAND PATTERN
*DO NOT DESIGN ANY PATTERNS
ON SHADED AREA

Tape & Reel



PITCH	4.00 [.157]
TAPE WIDTH	12.00 [.471]
REEL DIA	330 [13.0]
QTY PER REEL	3000
PIN 1 ORIENT.	Q1

NOTES: UNLESS OTHERWISE SPECIFIED
1. Applicable Standards / Specifications
   ANSI Y14.5M, Dimensions and Tolerances
   EIA-481-B, 8 mm through 200mm Embossed Carrier Taping and 8 mm and 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling.
2. Dimensions are in millimeters [inch].
3. Tolerances are ±0.1 [.004] mm unless otherwise specified.
4. Do not scale drawing.

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