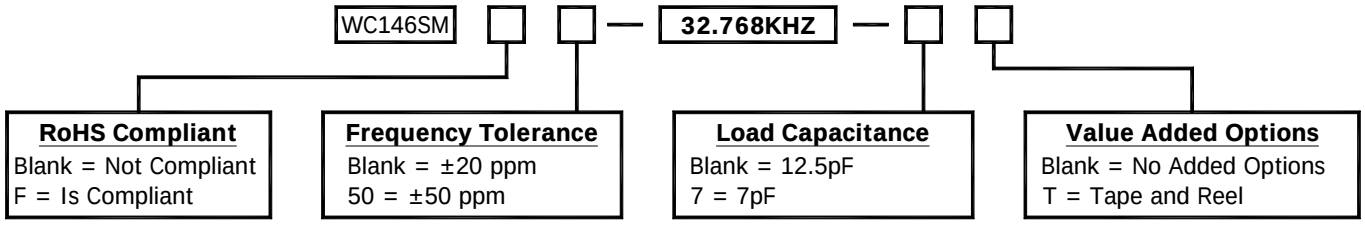
WC146SM Series Crystal

- **Ultra Low Profile with 1.4mm Height max**
- **32.768KHZ**
- **RoHS Compliant Available**
- **Ideal for use in space confined applications**
- **Tape and Reel Packaging**

Frequency	32.768KHZ
Frequency Tolerance	±20ppm or ±50ppm
Turnover Temperature	+25°C ±5°C
Temperature Coefficient	-0.04 x 10^{-6}/°C^2 Maximum
Load Capacitance	7.0pF or 12.5pF
Series Resistance	65K Ohms max
Maximum Drive Level	1.0 uWatt
Recommended Drivel Level	0.1 uWatt
Shunt Capacitance	1.8pF typ
Aging	±3ppm for the first year
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C
Moisture Sensitivity Level	1

Part Number Guide



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

QUALITY SYSTEM CERTIFIED = ISO 9001 =

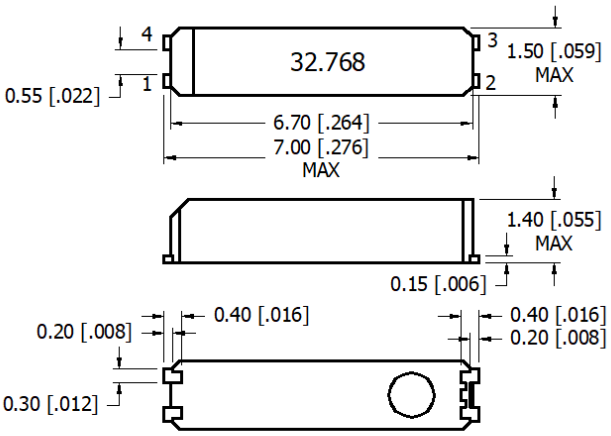
ILSI America LLC – MMD Inc.
5458 Louie Lane, Reno. NV 89511
Tel: (775) 851-8880, Fax: (775) 851-8882
www.mmdcomp.com e-mail@ilsiamerica.com

RoHS Compliant Lead Free

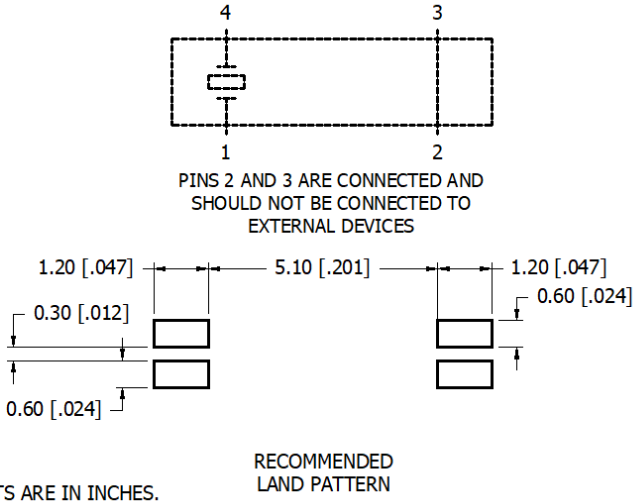
Revision:	09/06/17_I

Specifications are subject to change without notice.

Mechanical Details



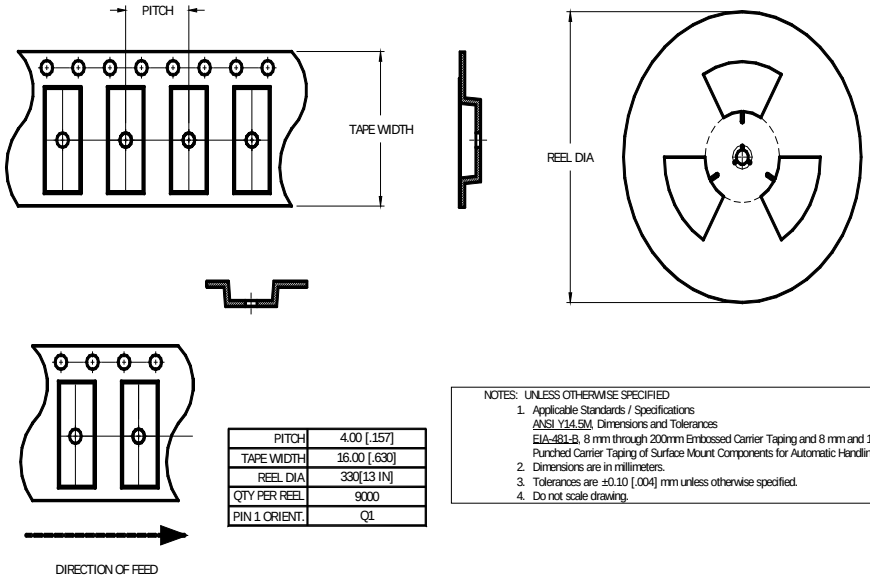
Marking:
Line 1 = 32.768



RECOMMENDED
LAND PATTERN

DIMENSIONS IN BRACKETS ARE IN INCHES.

Tape & Reel



PITCH	4.00 [.157]
TAPE WIDTH	16.00 [.630]
REEL DIA	330[13 IN]
QTY PER REEL	9000
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.
3. Tolerances are ±0.10 [.004] mm unless otherwise specified.
4. Do not scale drawing.

QUALITY SYSTEM
CERTIFIED
= ISO 9001 =

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