

● FEATURES

- SUITABLE FOR TIME OF DAY CLOCKS
- IDEAL FOR HIGH DENSITY PACKAGING APPLICATION
- SMALL AND COMPACT PACKAGE



● SPECIFICATIONS

| PARAMETER | VALUE |
|--|---|
| NOMINAL FREQUENCY | 32.768 kHz |
| MODE OF OSCILLATION | FUNDAMENTAL |
| FREQUENCY TOLERANCE AT 25°C | ±5, ±10, ±20 PPM |
| FREQUENCY STABILITY OVER TEMPERATURE COEFFICIENT | -0.04 PPM / °C ² |
| OPERATING TEMPERATURE RANGE | -40°C TO +85°C |
| STORAGE TEMPERATURE RANGE | -55°C TO +125°C |
| AGING | ±3 PPM PER YEAR MAX |
| LOAD CAPACITANCE | 6pF, 7pF, 9pF, 12.5 pF* |
| EQUIVALENT SERIES RESISTANCE | 70 kΩ MAX |
| SHUNT CAPACITANCE | 1.1 pF TYP |
| DRIVE LEVEL | 0.5 μW MAX |
| SHOCK RESISTANCE | ±5 PPM MAX 75 cm DROP TEST ONTO A HARD WOOD SURFACE |
| REFLOW CONDITIONS | 260°C ±5°C FOR 10s MAX |

*Note: Other values available

● PART NUMBERING SYSTEM

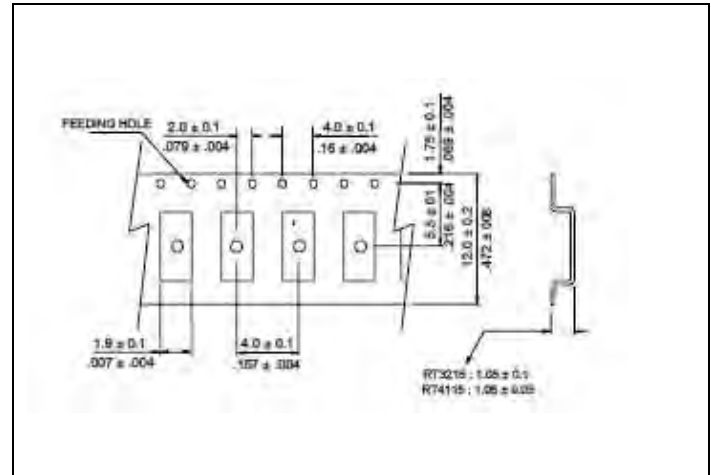
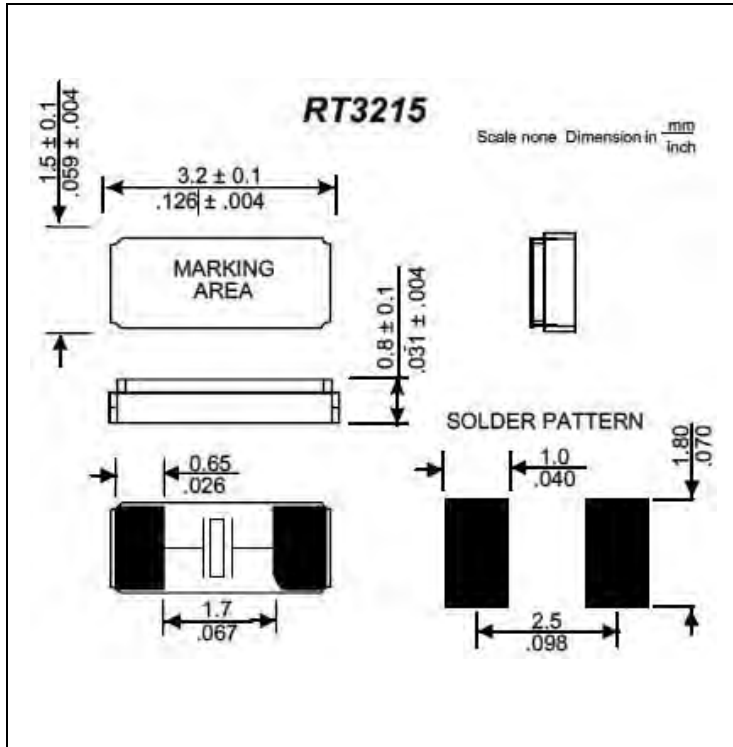
| TYPE | - | FREQUENCY kHz | - | LOAD CAPACITANCE pF | - | TOLERANCE PPM | - | TAPE & REEL |
|--------|---|---------------|---|---------------------|---|---------------|---|-------------|
| RT3215 | - | 32.768 | - | 6, 7, 9 or 12.5 | - | 5, 10 or 20 | - | TR |

EXAMPLE: RT3215-32.768-12.5-20-TR

Surface Mount Tuning Fork Crystal, 3.2 mm x 1.5 mm package, 32.768 kHz, 12.5 pF load, ±20 ppm Tolerance, Operating Temperature from -40°C to +85°C, Tape and Reel packaging

SERIES RT3215

MECHANICAL SPECIFICATION



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

180 mm REEL DIAMETER
12 mm TAPE WIDTH, 4mm PITCH
QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481