

#### ● 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 <sup>2</sup>
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	65 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

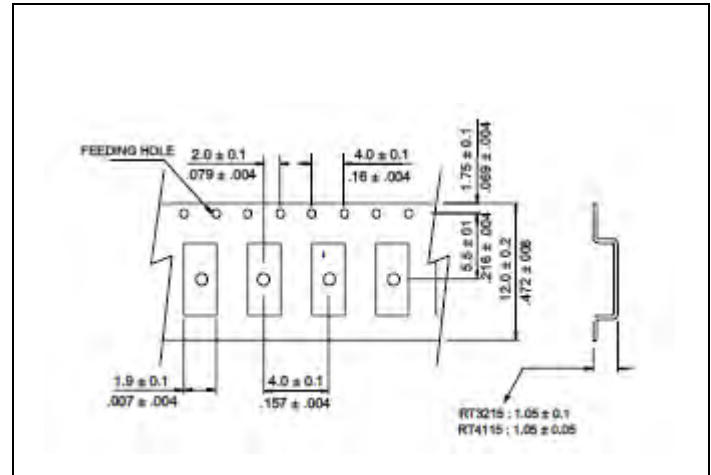
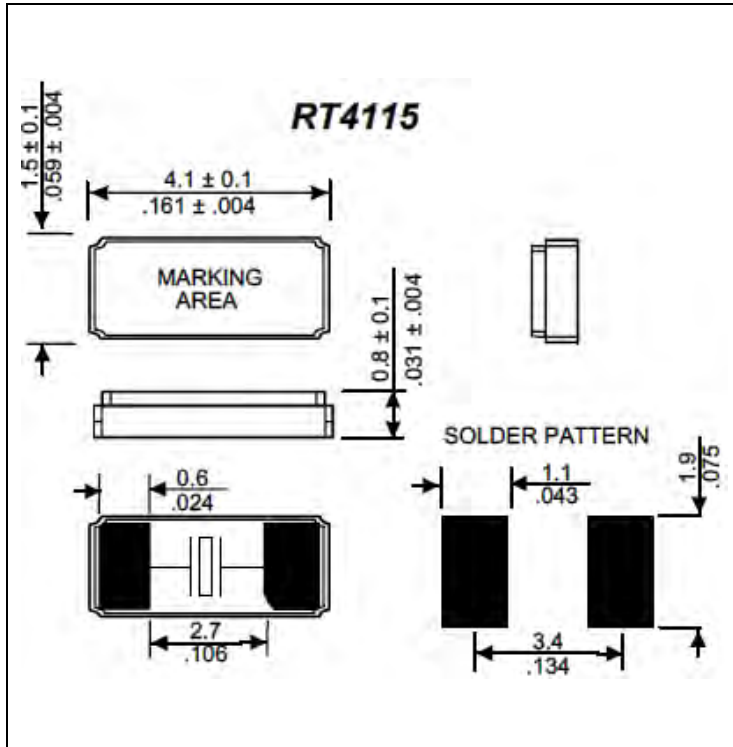
TYPE	-	FREQUENCY kHz	-	LOAD CAPACITANCE pF	-	TOLERANCE PPM	-	TAPE & REEL
RT4115	-	32.768	-	6 , 7 , 9 , 12.5	-	5, 10 or 20	-	TR

#### EXAMPLE: RT4115-32.768-12.5-20-TR

Surface Mount Tuning Fork Crystal, 4.1 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



● **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