

● FEATURES

- ULTRA SMALL PACKAGE OF 2.0 x 1.2 x 0.6 mm
- 32.768 KHz
- PRECISION SEALED UNIT



● SPECIFICATIONS

PARAMETER	VALUE
FREQUENCY RANGE	32.768 KHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±50 PPM MAXIMUM (±10, AND ±20 PPM AVAILABLE)
FREQUENCY STABILITY OVER TEMPERATURE	-0.03 ±0.01 PPM / °C ²
OPERATING TEMPERATURE RANGE	-40°C TO +85°C
STORAGE TEMPERATURE RANGE	-55°C TO +125°C
AGING	±3 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE	9.0 pF or 12.5 pF
EQUIVALENT SERIES RESISTANCE	90 KΩ MAX
SHUNT CAPACITANCE	1.5 pF MAXIMUM
DRIVE LEVEL	0.5 μW TYP
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM



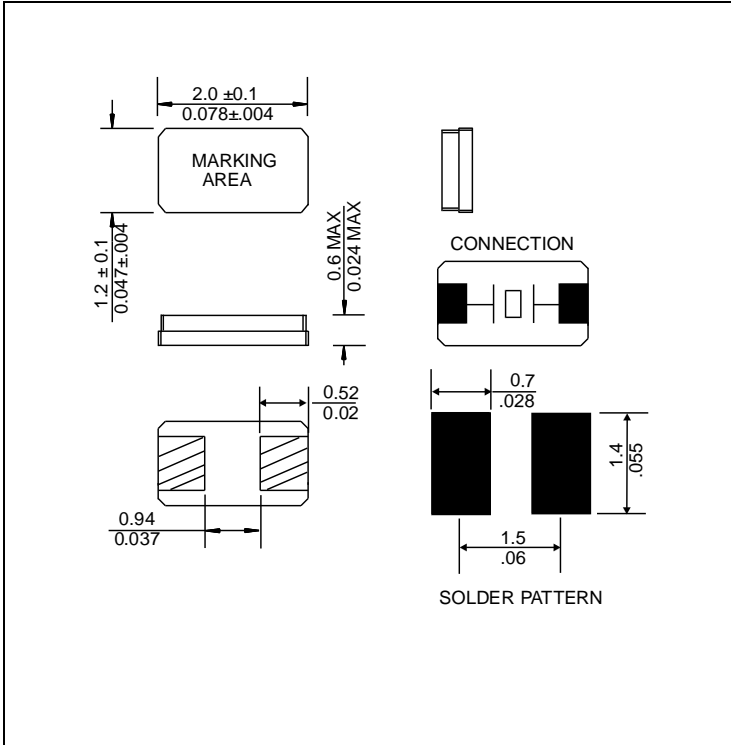
■ PART NUMBERING SYSTEM

TYPE	-	FREQUENCY KHz	-	LOAD CAPACITANCE pF	-	TOLERANCE PPM	-	EXTENDED TEMPERATURE	-	TAPE & REEL
RT2012	-	32.768	-	9 or 12.5	-	BLANK for 50 ppm 10, 20 or 30	-	EXT	-	TR

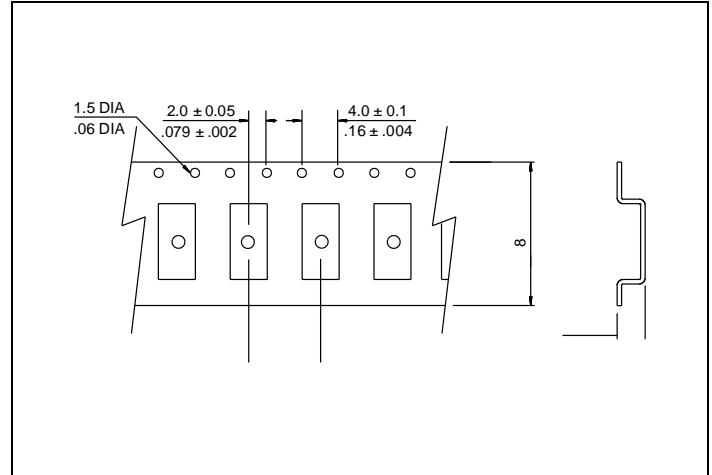
EXAMPLE: RT2012-32.768-12.5-20-EXT-TR

Surface Mount Tuning Fork Crystal, 2.0 mm x 1.2 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



CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

180 mm REEL DIAMETER
 8 mm TAPE WIDTH
 QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481