

● **FEATURES**

- SUITABLE FOR TIME OF DAY CLOCKS
- COMPACT PACKAGE
- IDEAL FOR PICK AND PLACE ASSEMBLY

● **SPECIFICATIONS**

PARAMETER	VALUE
NOMINAL FREQUENCY	32.768 kHz
FREQUENCY TOLERANCE AT 25°C	±20 ppm max
TURNOVER TEMPERATURE	+25°C ±5°C
PARABOLIC CURVATURE CONSTANT	(-0.034 ±0.006) ppm/°C <sup>2</sup>
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C
AGING (FIRST YEAR)	±3 ppm max
LOAD CAPACITANCE	6, 7, 8, 9, 12.5 pF
EQUIVALENT SERIES RESISTANCE	50 kΩ max
SHUNT CAPACITANCE	1.35 pF typ, 2 pF max
MOTIONAL CAPACITANCE	0.003 pF typ
CAPACITANCE RATIO	450 typ
DRIVE LEVEL	1 μW max
INSULATION RESISTANCE	500 MΩ min
SHOCK RESISTANCE	±5 ppm max 75 cm drop test onto a hard surface or 3000 g x 0.3 ms x ½ sinewave in 3 axes
REFLOW CONDITIONS	260°C for 10 s max



■ **PART NUMBERING SYSTEM**

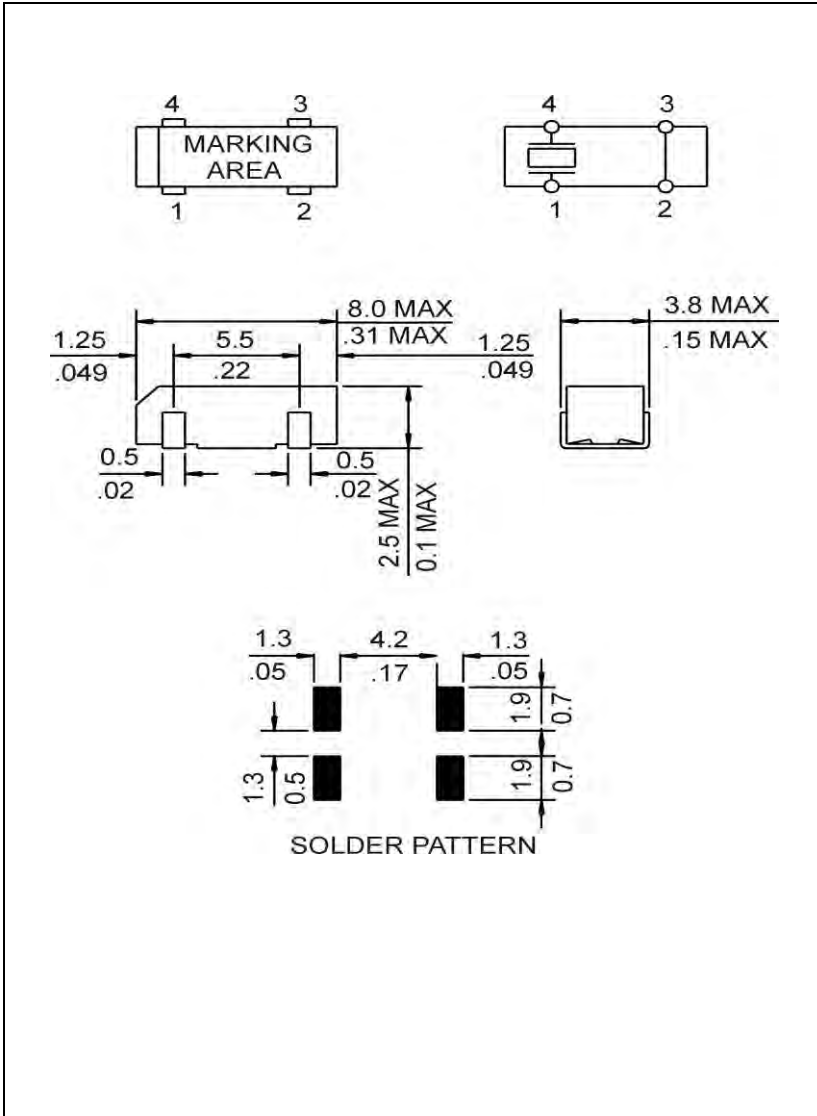
TYPE	-	FREQUENCY (kHz)	-	LOAD CAPACITANCE (pF)	-	TAPE & REEL
RSM200S	-	32.768	-	6 to 12.5	-	TR

**EXAMPLE: RSM200S-32.768-12.5-TR**

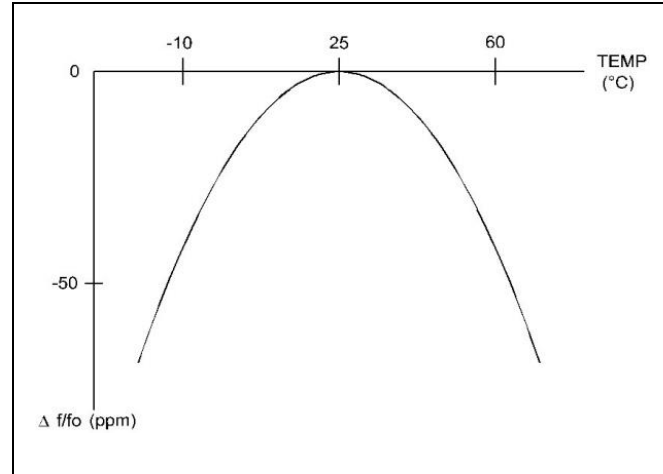
Surface Mount Tuning Fork Crystal, 8.0 x 3.8 mm, 32.768 kHz, 12.5 pF Load, ±20 ppm Tolerance, Operating Temperature Range from -40°C to +85°C, Tape and Reel Packaging

### SERIES RSM200S

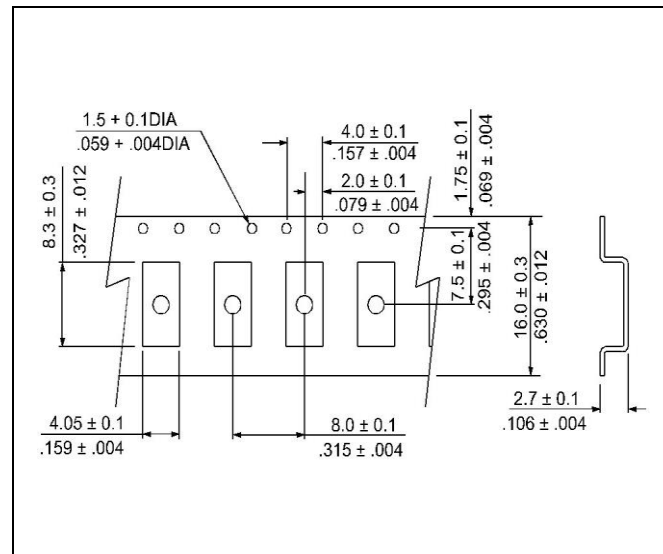
#### MECHANICAL SPECIFICATION



#### FREQUENCY vs. TEMPERATURE CURVE



#### CARRIER TAPE DIMENSIONS



#### PACKAGING

Reel Diameter: 330mm  
 Tape Width: 16 mm, Pitch: 8 mm  
 Quantity: 3000 pcs/reel