

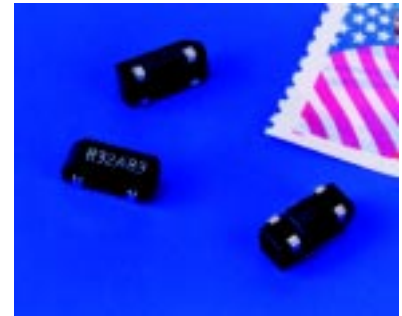
### SERIES RSM200S

#### FEATURES

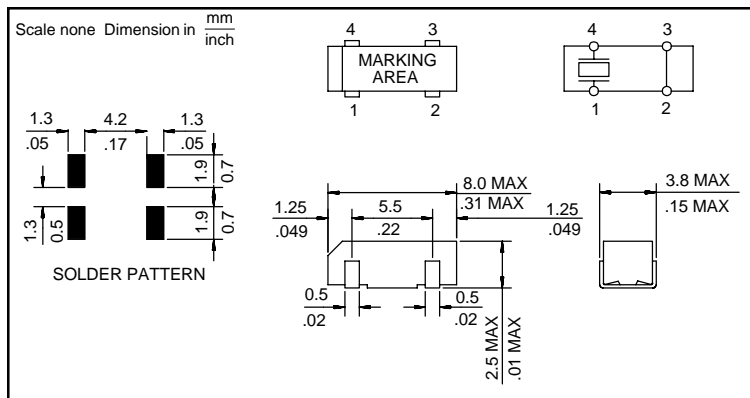
- SUITABLE FOR TIME OF DAY CLOCKS
- SMALL AND COMPACT PACKAGE
- IDEAL FOR PICK AND PLACE ASSEMBLY

#### SPECIFICATIONS

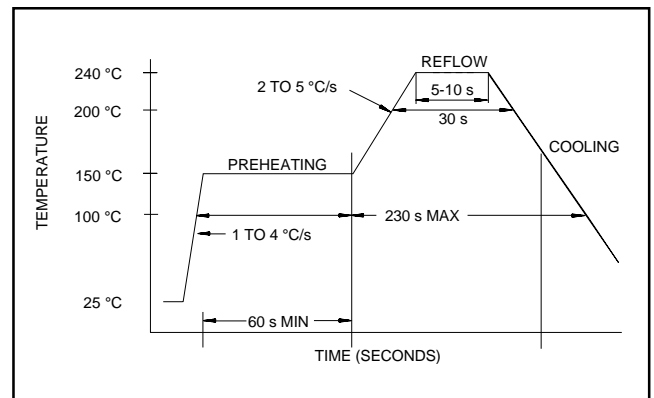
SERIES	RSM200S
NOMINAL FREQUENCY	32.768 KHz
FREQUENCY TOLERANCE AT 25°C	±20 PPM
TURNOVER TEMPERATURE	25°C ±5 °C
PARABOLIC CURVATURE CONSTANT	(-0.034 ±0.006) PPM/D C <sup>2</sup>
OPERATING TEMPERATURE RANGE	-10°C TO +60°C
OPERABLE TEMPERATURE RANGE	-40°C TO +85°C
STORAGE TEMPERATURE RANGE	-55°C TO +125°C
AGING (FIRST YEAR)	±3 PPM MAXIMUM
EQUIVALENT SERIES RESISTANCE (ESR)	50K OHM MAXIMUM
LOAD CAPACITANCE	12.5 pF
SHUNT CAPACITANCE	1.35 pF TYPICAL
MOTIONAL CAPACITANCE	0.003 pF TYPICAL
CAPACITANCE RATIO	450 TYPICAL
DRIVE LEVEL	1 µW MAXIMUM
INSULATION RESISTANCE	500 M OHM MINIMUM
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST ONTO A HARD SURFACE OR 3000 g x 0.3 ms x ½ SINEWAVE IN 3 AXES
REFLOW CONDITIONS	240°C FOR 10 SECONDS MAXIMUM (SEE PROFILE)



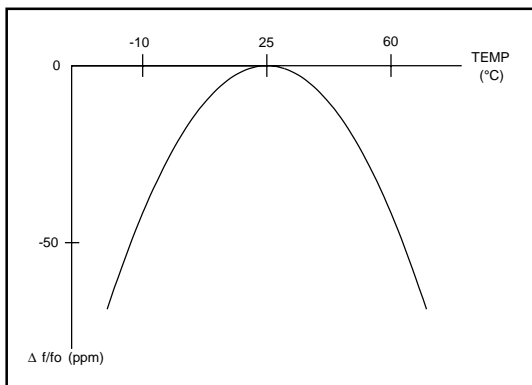
#### OUTLINE DRAWING



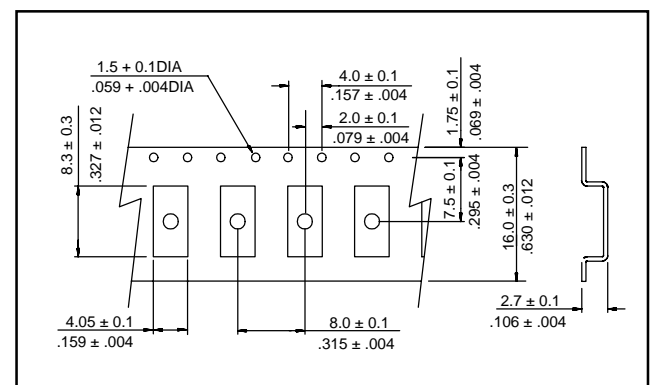
#### REFLOW SOLDERING PROFILE



#### FREQUENCY VS. TEMPERATURE CURVE



#### CARRIER TAPE DIMENSIONS



#### PACKAGING

330 mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH  
 QUANTITY: 3000 PIECES PER REEL

#### PART NUMBERING

EXAMPLE: RSM200S-32.768-12.5-TR