RALTRON

SERIES RSE B AND C

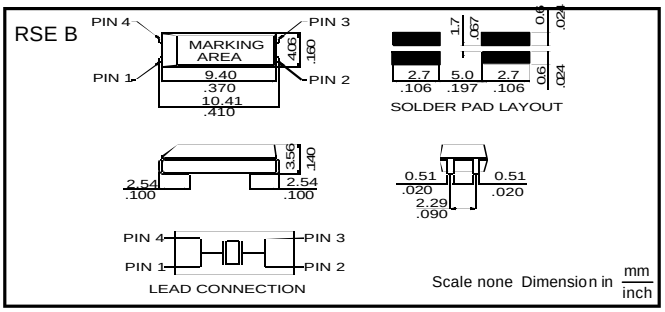
FEATURES

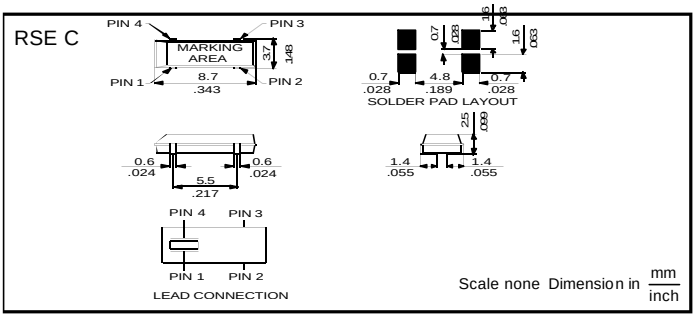
- SUITABLE FOR TIME OF DAY CLOCK APPLICATIONS
- LOW FREQUENCY RANGE
- EXCELLENT FOR AUTOMATIC AND HIGH DENSITY SURFACE MOUNTING

SPECIFICATIONS

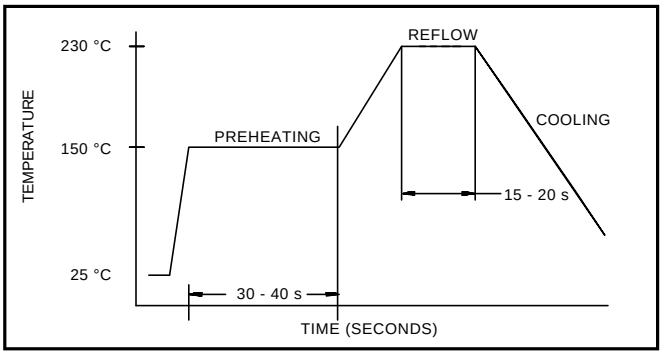
NOMINAL FREQUENCY	32.768 KHz	24.00 TO 350.00 KHz	351.00 KHz TO 615.00 KHz
FREQUENCY TOLERANCE	±20 PPM MAXIMUM (±50 PPM AND ±100 PPM AVAILABLE)		
TURNOVER TEMPERATURE	±25°C ±5°C	±25°C ±8°C	±25°C ±15°C
TEMPERATURE COEFFICIENT	(-0.035 ± 0.008) PPM/°C²		
LOAD CAPACITANCE	6.0 TO 12.5 pF		
EQUIVALENT SERIES RESISTANCE (ESR)	50 K OHM MAXIMUM	50 K OHM MAXIMUM	20 K OHM MAXIMUM
DRIVE LEVEL	1.0 µW MAXIMUM		
SHUNT CAPACITANCE	1.0 pF TYPICAL	0.95 pF TYPICAL	0.9 pF TYPICAL
AGING (FIRST YEAR)	±5 PPM MAXIMUM		
OPERATING TEMPERATURE RANGE	-40°C TO +85°C		
STORAGE TEMPERATURE RANGE	-55°C TO +125°C		
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE OR 3000 g x 0.3 ms x ½ SINEWAVE IN 3 AXES		
SOLDER REFLOW CONDITIONS	230 °C MAXIMUM FOR 20 s MAXIMUM		

OUTLINE DRAWINGS

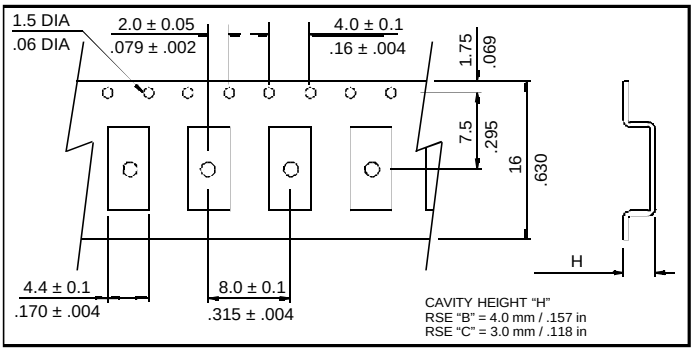




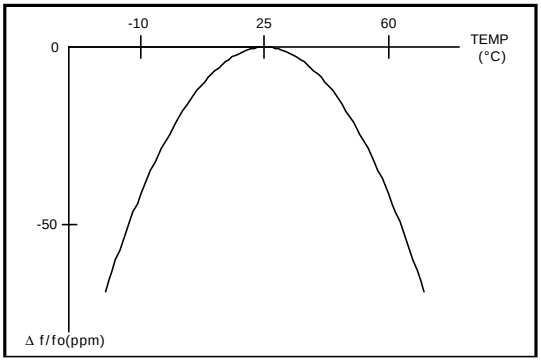
REFLOW SOLDERING PROFILE



CARRIER TAPE DIMENSIONS



FREQUENCY VS. TEMPERATURE CURVE



PACKAGING

330mm REEL DIAMETER
16mm TAPE WIDTH, 8mm PITCH
QUANTITY: RSE B 2000 PIECES PER REEL
RSE C 3000 PIECES PER REEL

PART NUMBERING SYSTEM

HOLDER TYPE		FREQUENCY		LOAD CAPACITANCE		CIRCUIT TYPE		TAPE AND REEL
RSE	-	IN KHz	-	6 OR 12.5 pF	-	B C	-	T

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