SCP8 SERIES FEATURES

- AVAILABLE TO ±20ppm
- ULTRA-MINIATURE PACKAGE
- TAPE AND REEL
- RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS

- FREQUENCY: 32.768kHz
- FREQUENCY STABILITY:
  - PARABOLIC -0.034±0.006ppm/(°C)² MAX;
  - TURNOVER TEMPERATURE AT 25°C + 5°C
- FREQUENCY TOLERANCE(25°C): ±20ppm MAX
- AGING: ±5ppm / FIRST YEAR MAX
- SHUNT CAPACITANCE: 1.0pF TYP
- OPERATING TEMPERATURE: -40°C TO 85°C
- STORAGE TEMPERATURE: -55°C TO 125°C
- DRIVE LEVEL: 1μWATT MAX
- INSULATION RESISTANCE: 500MΩ MIN/DC 100V±15V
- HERMETICITY OF SEAL: 1X10⁻²μPa(m/s) MAX
- EQUIVALENT SERIES RESISTANCE: 70kΩ MAX

ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

- DROP TEST: 75cm ONTO HARD WOODEN SURFACE (3 TIMES)
- VIBRATION: 10-55 Hz, 10g PEAK,1.5mm, 60 MINUTES (3 AXIS)
- SOLDERABILITY: 230°C, 5s
- RESISTANCE TO SOLDERING HEAT: 260°C, 10s
- REEL SIZE: 3,000 PIECES

PRODUCT SCHEMATIC

NOTE: DIMENSIONS IN MILLIMETERS (mm); DRAWING NOT TO SCALE

TAPE AND REEL DIMENSIONS

NOTE: DIMENSIONS IN MILLIMETERS (mm); DRAWING NOT TO SCALE

REFLOW PROFILE