

SX206

kHz SURFACE-MOUNT CRYSTAL

FEATURES

- Formed leads for low cost SMD type
- Low cost for consumer applications
- Applications: Real time clock, Wireless applications,...

6.0 x 2.0 mm cylindrical



| Item | Symbol | Specification |
|------------------------------|--------|---|
| Nominal Frequency | Fo | 32.768 kHz / 30.0 kHz ~ 100 kHz * |
| Cut | | XY-cut |
| Operating temperature Range | To | -40° to +85°C |
| Frequency Tolerance at 25°C | Δf/F | ± 20ppm standard (see options) |
| Temperature coefficient | β | -0.040 ppm/°C² max |
| Load Capacitance (CL) | CL | 12.5 pF standard (see options) |
| Equivalent Series Resistance | ESR | 40 kΩ max. |
| Quality Factor | Q | 60000 typ. |
| Shunt Capacitance (Co) | Co | 1.45 pF typ. |
| Insulation Resistance | Ri | 500 MΩ min. (at 100Vdc) |
| Drive Level | DL | 1.0 μW max. |
| Aging | Δf/F | ±5ppm max (at 25°C, first year) |
| Packing Unit | | 3000pcs / reel |
| Soldering Condition | | 260°C, 10 sec x2 max |
| | | Customer specifications on request |

* Need to contact us for the available frequency

OPTIONS & ORDERING INFORMATION

| | | | |
|--------|-----------------|------------------|-------------------------------------|
| SX206- | — | — | kHz |
| | Freq. Tolerance | Load Capacitance | Frequency in kHz |
| | 10 = ±10 ppm | 12.5 = 12.5 pF | Please specify the frequency in kHz |
| | 20 = ±20 ppm | 10 = 10.0 pF | |
| | 30 = ±30 ppm | 9 = 9.0 pF | |
| | | 7 = 7.0 pF | |
| | | 6 = 6.0 pF | |

OUTLINE DIMENSIONS

