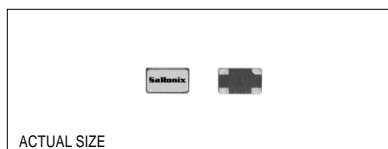


Technical Data

NKS6 Series



Description

The NKS6 Series incorporate a sub-miniature AT-cut strip crystal resonator housed in a 3.5x6 mm ceramic package. These compact crystals are ideal for surface mounting in densely-populated PCB applications.

Applications & Features

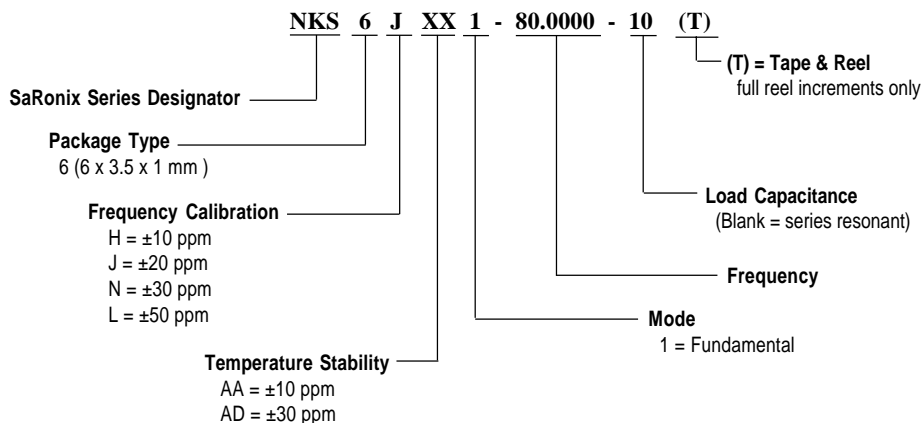
- Tight tolerance & stability
- Rugged construction and excellent mechanical shock resistance
- Extremely compact SMD package
- Seam sealed, grounded metal lid
- Ideally suited for disc drives, PCMCIA, PCs and hand-held electronic products
- Available on tape & reel; 12mm tape, 1000pcs per reel

Common Frequencies (MHz)

12.800000
13.000000
13.824000
14.400000
16.384000
19.200000
19.680000
20.945000
21.250000
21.390000

Frequency Range:	12 MHz to 50 MHz (Fundamental)
Temperature Range:	Operating: -20 to +70°C Storage: -40 to +85°C
Temperature Tolerance:	±10, ±30ppm, tighter available, contact SaRonix
Characteristics @ 25°C ±3°C:	Frequency Tolerance: ±10, ±20, ±30, ±50ppm Load Capacitance: 10 to 32pF or Series Resonance Effective Series Resistance: 50Ω max Standard Drive Level: 10μW Shunt Capacitance: 5pF max
Aging:	±2ppm max per year
Mechanical:	Shock: ±5ppm max after 3 drops from 75cm onto a hard wooden board Solderability: MIL-STD-883, Method 2003 Vibration: ±5ppm max sine vibration 10-55Hz, sweep period 1-2 minutes, amplitude 1.5mm, 3 mutually perpendicular planes each 1 hour. Solvent Resistance: MIL-STD-202, Method 215 Resistance to Soldering Heat: MIL-STD 202, Method 210, Condition I or J
Environmental:	Gross Leak Test: MIL-STD-883, Method 1014, Condition C Fine Leak Test: MIL-STD-883, Method 1014, Condition A2 Thermal Shock: MIL-STD-883, Method 1011, Condition A Moisture Resistance: MIL-STD-883, Method 1004

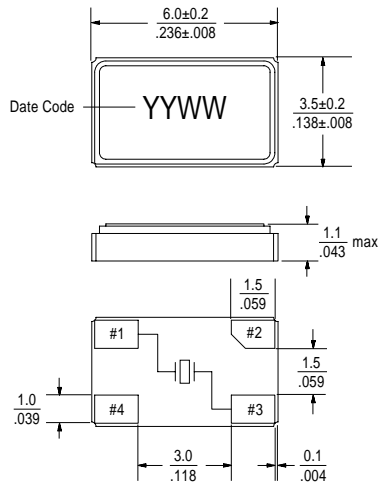
Part Numbering Guide



Technical Data

NKS6 Series

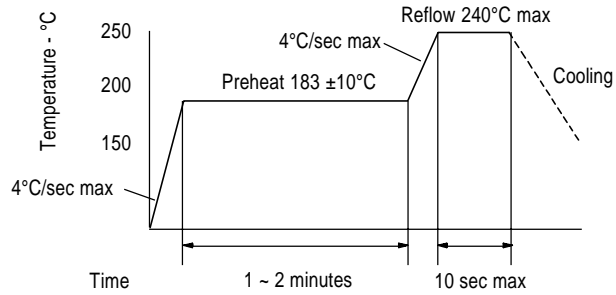
Package Details



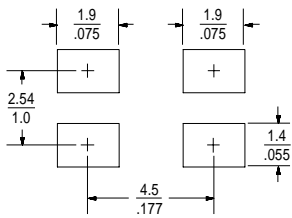
Pads #2 and #4 are connected to metal lid for shielding to minimize EMI

Scale: None (Dimensions in $\frac{\text{mm}}{\text{inches}}$)

Solder Reflow Guide



Recommended Land Pattern



All specifications are subject to change without notice.

DS-192 REV B