

Technical Data

NKS6 Series



Description

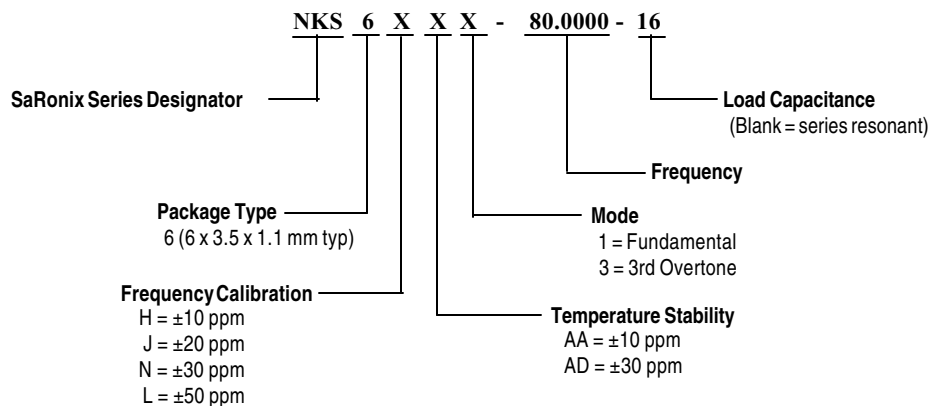
The NKS6 Series incorporate a sub-miniature AT-cut strip crystal resonator housed in a 3.5x6 mm ceramic package. These compact crystals are ideal for surface mounting in densely-populated PCB applications.

Applications & Features

- Rugged AT-cut crystal construction
- Extremely small SMD package
- Ideally suited for disc drives, PCMCIA, PCs and hand-held products
- Available on tape & reel (SaRonix will ship either 2000pcs/reel on 12mm wide tape or 1000pcs/reel on 16mm wide tape)

Frequency Range:	12 MHz to 40 MHz (Fundamental) 40+ MHz to 100 MHz (3rd OT)
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 16pF or Series Effective Series Resistance: 80Ω max, Frequency Dependent Drive Level: 10 to 100μW Shunt Capacitance: 7pF max
Aging First Year:	±5ppm @ 25 ±3°C
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

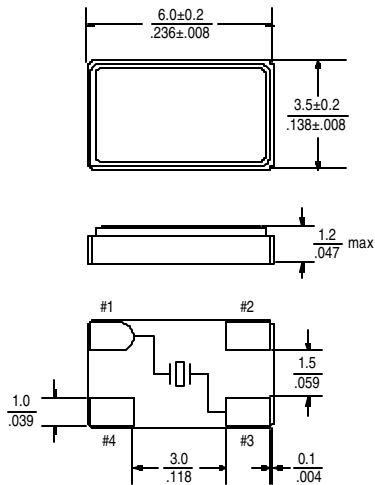
Part Numbering Guide



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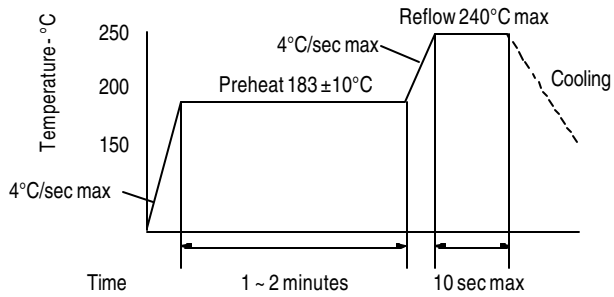
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Package Details

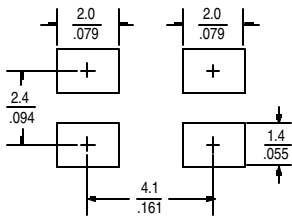


Scale: None (Dimensions in $\frac{\text{mm}}{\text{inches}}$)

Solder Reflow Guide



Recommended Land Pattern



All specifications are subject to change without notice.