SUNTSU

Ceramic SMD 4 Pad Crystal

SXT214 Series

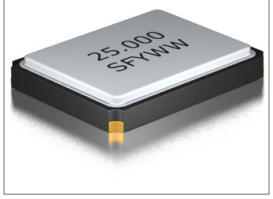
2.0mm x 1.6mm

Features

- ±10ppm/±10ppm (Tolerance/Stability) Available
- Ultra-Miniature Package
- AT-Cut Fundamental
- Tape and Reel

Applications

- Office Automation
- Audio/Visual Bluetooth
- Small Communication Devices
- SSD
- USB



Part Numbering Guide

SXT 21 4 18 A A 48 - 25.000M

- **SUNTSU CRYSTAL**
- **2.0mm x 1.6mm**
- **4 PAD**
- **LOAD CAPACITANCE**
  - S : Series
  - 8-32 : 8pF - 32pF
- **FREQUENCY TOLERANCE**
  - A : ±50ppm
  - B : ±30ppm
  - C : ±25ppm
  - D : ±20ppm
  - E : ±15ppm
  - F : ±10ppm
- **FREQUENCY STABILITY**
  - A : ±50ppm
  - B : ±30ppm
  - C : ±25ppm
  - D : ±20ppm
  - E : ±15ppm
  - F : ±10ppm*
- **OPERATING TEMPERATURE RANGE****
  - 07 : 0°C - +70°C
  - 16 : -10°C - +60°C
  - 17 : -10°C - +70°C
  - 27 : -20°C - +70°C
  - 38 : -30°C - +85°C
  - 48 : -40°C - +85°C
- **FREQUENCY**
  - MHz

RoHS COMPLIANT

Cage Code: 4GUT4

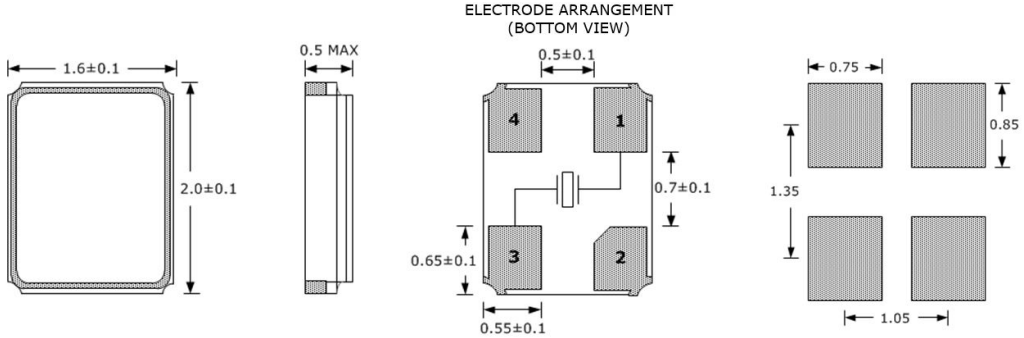
To customize your parameters contact a Suntsu representative.

* For frequency stability option F contact a Suntsu representative. ** For operating temperatures of -55-125°C a Suntsu representative.

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Range	MHz	16		96	AT-Cut Fundamental.
Frequency Tolerance at +25°C	ppm	-10		10	See part numbering guide for options.
Frequency Stability vs. Op Temp	ppm	-10		10	See part numbering guide for options.
Frequency Stability vs. Aging	ppm	-2		2	First year @ +25°C.
Operating Temperature	°C	-40		85	See part numbering guide for options.
Storage Temperature	°C	-40		125	
Load Capacitance	pF	8		16	See part numbering guide for options.
Shunt Capacitance	pF			5	
Drive Level	µW		50	100	
Insulation Resistance	MΩ	500			@ 100VDC ± 15V.
16.000MHz ~ 20.999MHz	Ω			200	AT-Cut Fundamental
21.000MHz ~ 25.999MHz	Ω			120	AT-Cut Fundamental
ESR - 26.000MHz ~ 40.999MHz	Ω			100	AT-Cut Fundamental
41.000MHz ~ 60.999MHz	Ω			60	AT-Cut Fundamental
61.000MHz ~ 96.000MHz	Ω			40	AT-Cut Fundamental

Outline Drawing & Recommended Landed Pattern

All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



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Specifications are subject to change without notice.

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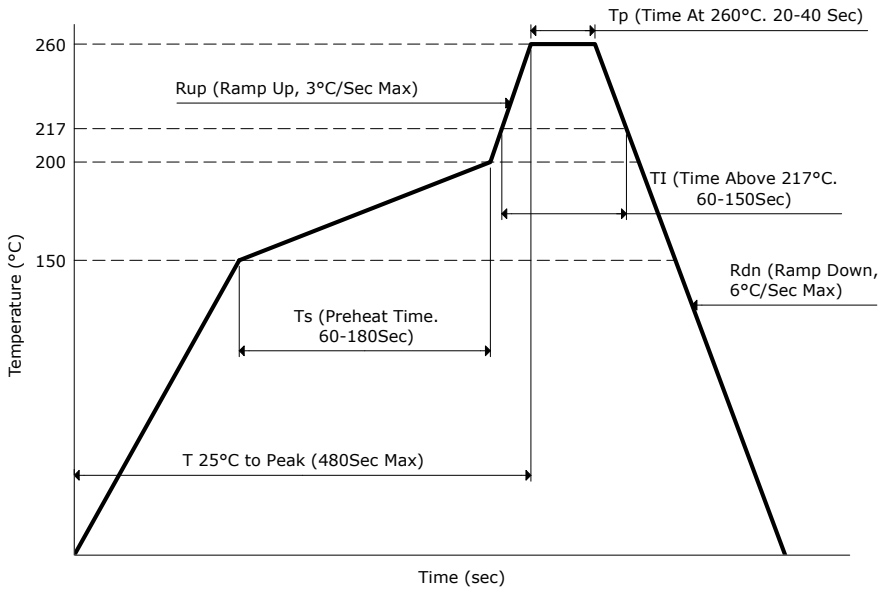
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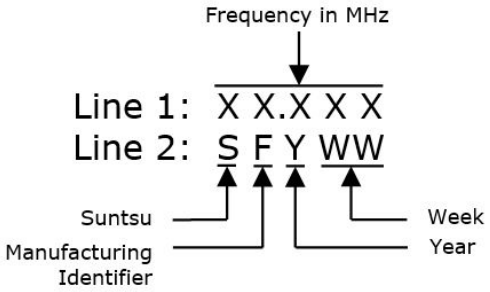
SXT214 Series

2.0mm x 1.6mm

Environmental Specifications		Mechanical Specifications	
Temperature Cycling	MIL-STD-883, Method 1010, Condition B	Mechanical Shock	MIL-STD-202, Method 213, Condition B
Fine Leak Test	MIL-STD-883, Method 1014, Condition A	Vibration	MIL-STD-883, Method 2007, Condition A
Gross Leak Test	MIL-STD-883, Method 1014, Condition C	Resistance to Soldering Heat	MIL-STD-202, Method 210, Condition K
Moisture Resistance	MIL-STD-883, Method 1004	Resistance to Solvents	MIL-STD-202, Method 215
Moisture Sensitivity	J-STD-020, MSL 1	Solderability	MIL-STD-883, Method 2003

Reflow Profile & Part Marking

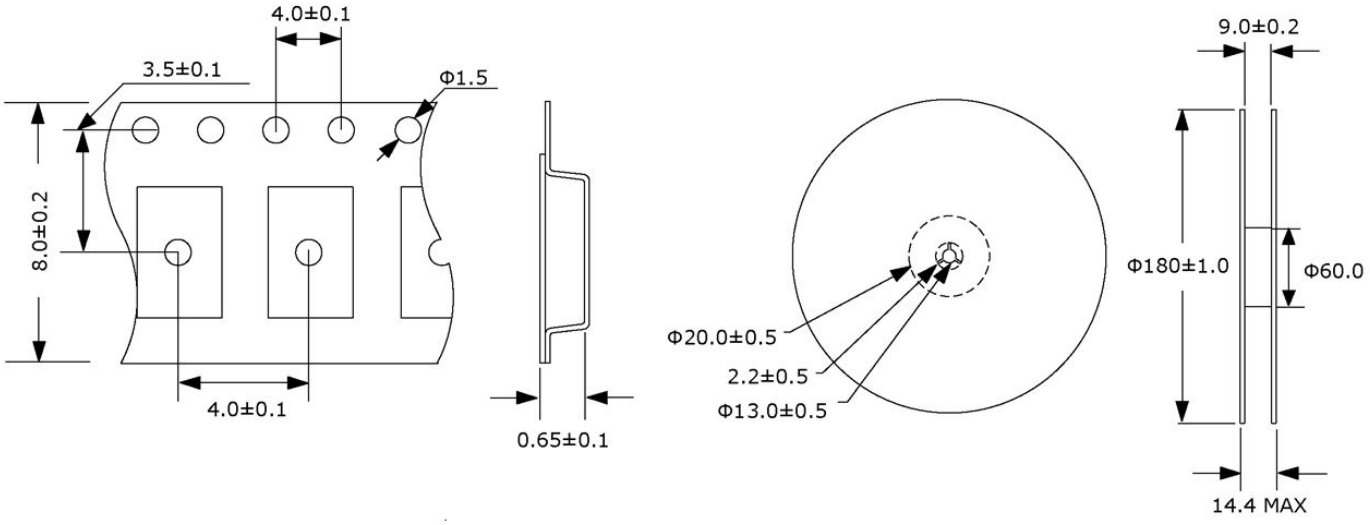




Tape And Reel Dimensions

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3,000pcs / Reel



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