



● Applications

Mobile communication • Bluetooth • Wireless LAN

● Features

Ultra-thin • Dimensions(2.5×2.0×0.55)
 Ceramic SMD Package
 Leadless Type • Vacuum Seam Sealed
 Tight Tolerance and Stability
 Reflow Soldering • Emboss Taping
 RoHS Compliant

▼ Specifications

Type	SX-2520	
Nominal frequency range	12.000~66.000MHz	
Crystal cut	Fundamental [AT-cut]	
Storage temperature range	-40~+90°C	
Operating temperature range	-10~+60°C	-30~+85°C
Frequency temperature characteristics (Ref. to +25°C)	±10×10 ⁻⁶	±15×10 ⁻⁶
Frequency tolerance(at +25°C)	±10×10 ⁻⁶	
Equivalent series resistance	150Ω:12.000~15.999MHz 80Ω:16.000~19.999MHz 60Ω:20.000~29.999MHz 50Ω:30.000~34.999MHz 40Ω:35.000~66.000MHz	
Load capacitance	8pF,12pF	
Shunt capacitance	5pF max.	
Level of drive	10μW(100μW max.)	

Package quantity : 1,000pcs max./reel.

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▼ Outline Dimensions [unit:mm]

2.5±0.1

2.0±0.1

0.55±0.05

0.65

0.95

0.3

#1 #2 #3 #4

TOP VIEW

#4 #3

#1 #2

#1,#3: Crystal terminal / #2,#4: Connected to cover.
 (Please connect it with GND.)

Example of a Terminal Land Pattern

0.9 0.75 0.9

0.8 0.8 0.45

Maximum marking length		Marking
line1	line2	
4	4	Laser
ex.)		