Crystal Units



NX2520SA For OA / AV Mobile Communications/ Short-range Wireless

Features

- Ideal for such as bluetooth, Wifi, smartphone and tablet pc.
- •Compact and thin. (2.5 × 2.0 × 0.50 mm typ.)
- •Excellent environmental characteristics, including heat and shock resistance.
- •Lead-free. Meets the requirements for re-flow profiling using lead-free solder.

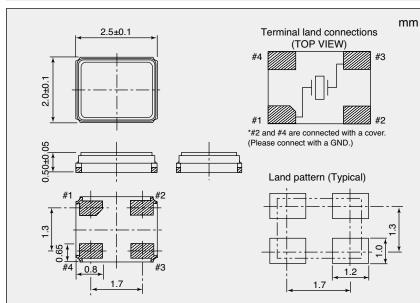


Pb Free RoHS Compliant Directive 2011/65/EU

Specifications

Item Model	NX2520SA	
Nominal Frequency	16 to 80 MHz	16 to 54 MHz
Overtone Order	Fundamental	
Frequency Tolerance (25 ±3 °C)	±15 × 10 ⁻⁶	±10 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +25 °C)	±25 × 10 ⁻⁶	±10 × 10 ⁻⁶
Operating Temperature Range	−40 to +85 °C	–20 to +75 °C
Storage Temperature Range	-40 to +85 °C	
Equivalent Series Resistance	Refer to *1	Refer to *2
Level of Drive	10 μW (Max. 200 μW)	10 μW (Max. 100 μW)
Load Capacitance	8 pF	
Specifications Number	STD-CSW-5	STD-CSX-1

Dimensions



*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
16 to 20	80
20 to 30	60
30 to 35	50
35 to 80	40

*2 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
16 to 20	80
20 to 30	60
30 to 35	50
35 to 54	40

Please specify the model name, frequency, and specification number when you order products. For further questions regarding specifications, please feel free to contact us.

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