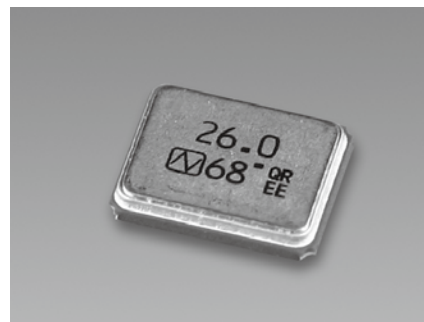


NX3225SA For OA / AV Mobile Communications/ Short-range Wireless

■ Features

Ideal for such as bluetooth, Wifi, smartphone and tablet pc.

- Compact and thin. (3.2 × 2.5 × 0.55 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.

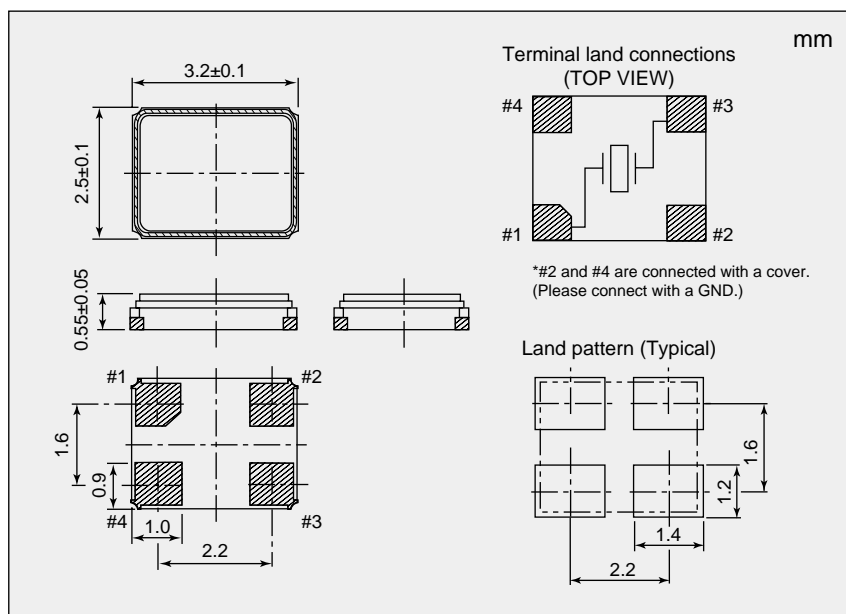


Pb
Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NX3225SA		
Nominal Frequency		12 to 64 MHz	16 to 54 MHz	40 to 150 MHz
Overtone Order		Fundamental	Fundamental	3rd overtone
Frequency Tolerance (25 ±3 °C)		±15 × 10 ⁻⁶	±10 × 10 ⁻⁶	±20 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +25 °C)		±25 × 10 ⁻⁶	±10 × 10 ⁻⁶	±25 × 10 ⁻⁶
Operating Temperature Range		-40 to +85 °C	-20 to +75 °C	-40 to +85 °C
Storage Temperature Range		-40 to +85 °C		
Equivalent Series Resistance		Refer to *1	Refer to *2	Refer to *3
Level of Drive		10 μW (Max. 200 μW)		
Load Capacitance		8 pF	10 pF	Series resonance
Specifications Number		STD-CSR-6	STD-CSQ-1	STD-CSR-7



*1 Equivalent Series Resistance

Overtone Order	Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
Fundamental	12 to 13	100
	13 to 20	80
	20 to 64	50

*2 Equivalent Series Resistance

Overtone Order	Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
Fundamental	16 to 20	80
	20 to 54	50

*3 Equivalent Series Resistance

Overtone Order	Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
3rd overtone	40 to 100	140
	100 to 150	100