

**SMD CRYSTAL**

Ultrathin thickness 0.55mm.

It is a completely sealed type with a metal case sealed on a ceramic board.

Automatic mounting is possible.

Reflow is possible

RoHs compliant and lead free.

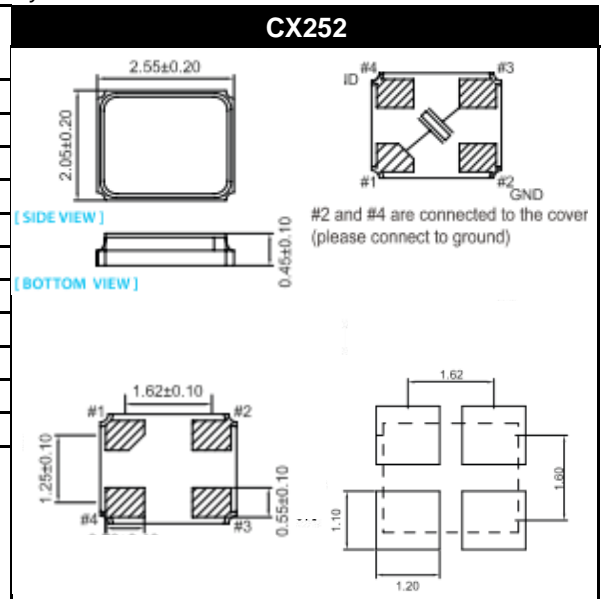
**Part Numbering Example: CX252Z - A0 - B3 C3 -150 - 16.0 D12**

<b>CX252</b>	<b>Z</b>	<b>A0</b>	<b>B3</b>	<b>C3</b>	<b>150</b>	<b>16.0</b>	<b>D12</b>	
<b>SERIES</b>	<b>ADDED FEATURES</b>	<b>OPERATING TEMP.</b>	<b>STABILITY</b>	<b>TOLERANCE</b>	<b>RESISTANCE</b>	<b>FREQUENCY</b>	<b>LOAD CAP.</b>	<b>OVERTONE</b>
CX252	Z = TAPE AND REEL	A0 = -10°C ~ +60°C	B3 = ± 30 B4 = ± 10	C3 = ± 30 C4 = ± 10	SEE TABLE 1 BELOW		D9, D12, ETC.	BLANK: FUND.

*\*NOTE: The above ABC combinations cover basic specification options. We tailor our crystals specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.*

**Specifications:**

<b>Frequency Range:</b>	12.0 ~ 54.0 MHz
<b>Vibration Mode:</b>	AT cut, Fundamental
<b>Frequency Tolerance: (at 25°C)</b>	-/+ 10ppm, +/- 30 ppm, or specify
<b>Equivalent Series Resistance:</b>	See table No. 1
<b>Frequency Stability:</b>	-/+ 10 ppm, +/- 30 ppm, or specify
<b>Operating Temperature Range:</b>	-10~ + 60°C , or specify
<b>Shunt Capacitance:</b>	3.5pF max.
<b>Load Capacitance:</b>	9pF, 12pF, or specify
<b>Aging:</b>	-/+2ppm/year, +/- 5ppm/year
<b>Drive Level:</b>	100uW max.
<b>Min. Packaging</b>	2,500 pcs / Reel



**Equivalent Series Resistance Table No. 1**

Frequency Range	MODE	E.S.R
12 MHz ≤ Fo < 20 MHz	A1	<150 Ω
20 MHz ≤ Fo ≤ 30 MHz	A1	<80 Ω
30 MHz < Fo ≤ 54 MHz	A1	<60 Ω

