

## 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.

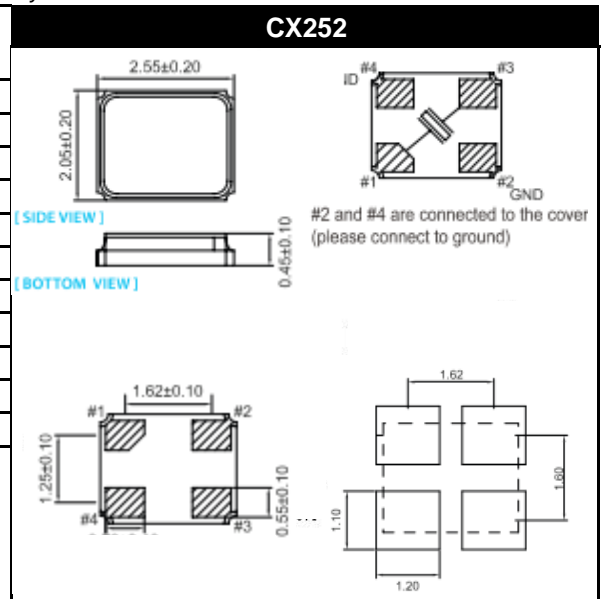
**Part Numbering Example: CX252Z - A0 - B3 C3 -150 - 16.0 D12**

CX252	Z	A0	B3	C3	150	16.0	D12	
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
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