



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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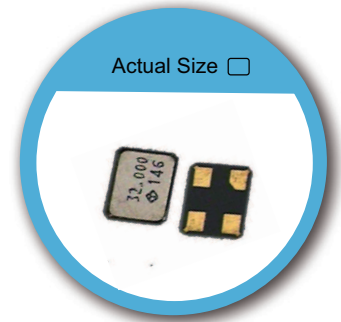
X3 Type 1.6 x 1.2 mm SMD Crystal

FEATURE

- Typical 1.6 x 1.2 x 0.35 mm ultra thin ceramic package.
- 8 mm width Tape & Reel package for automatic assembly.
- Tight tolerance 10 ppm available.

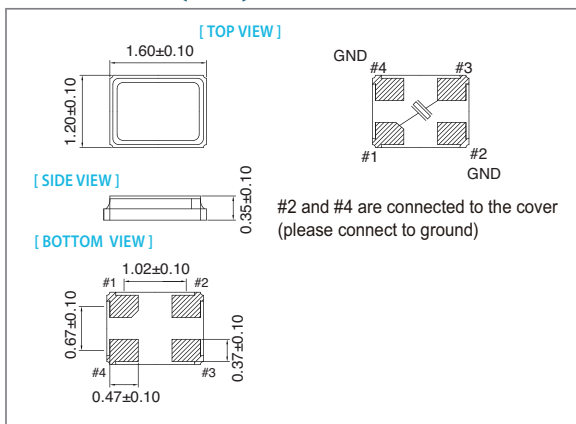
TYPICAL APPLICATION

- Bluetooth, Mobile phone, Wireless LAN.
- Office Automation
- Audio & Video

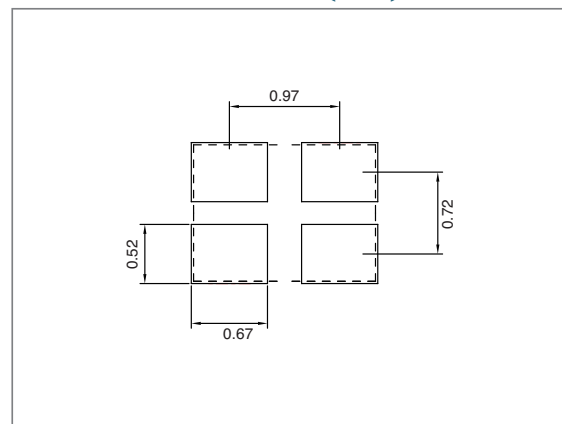


RoHS Compliant

DIMENSION (mm)



SOLDER PAD LAYOUT (mm)



ELECTRICAL SPECIFICATION

Parameter	Min.	Typical	Max.	Unit
Storage Temp. Range	-40	-	125	°C
Standard Frequency		26,40		MHz
Level of Drive	-	10	200	μ W
Shunt Capacitance (C0)	-	-	3.0	pF
Insulation Resistance	500MΩ @ DC100V	-	-	
Aging		±1.0 to ±3.0		ppm/year

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

EQUIVALENT SERIES RESISTANCE(ESR)

Frequency Range	MODE	E.S.R.
24 MHz ≤ Fo ≤ 40 MHz	A1	<150Ω
40 MHz < Fo ≤ 54 MHz	A1	<100Ω

FREQ. STABILITY vs. TEMP. RANGE

Temp.(°C)	ppm		
	±5	±10	±15
-10 ~ +60	△	○	○
-20 ~ +70	×	△	○
-40 ~ +85	×	×	△

* O: Available △:Conditional X: Not available

FREQ. STABILITY vs. WIDE TEMP. RANGE

Temp.(°C)	ppm			
	±15	±20	±30	±50
-40 ~ +105	△	○	○	○
-40 ~ +125	×	×	△	○

* O: Available △:Conditional X: Not available

Note: not all combination of options are available. Other specifications may be available upon request.

Specifications subject to change without notice.

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