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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

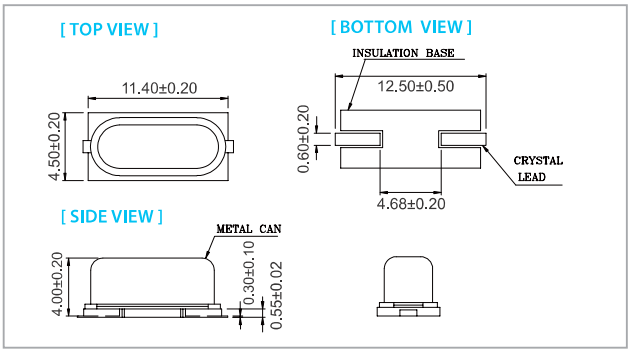
XJ Type
12.5 x 4.5 mm Crystal

RoHS Compliant

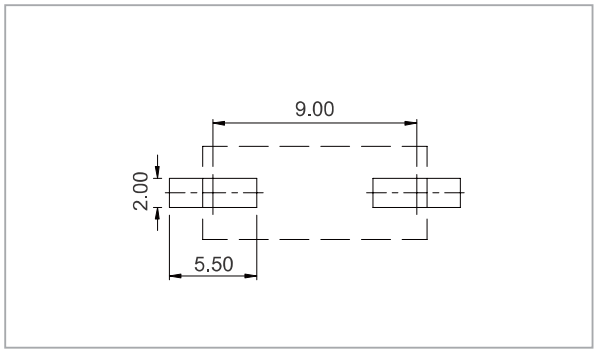
FEATURE
- Typical 12.5 x 4.5 x 4.0 mm metal can SMD package.
- 24mm width Tape & Reel package for automatic assembly.

TYPICAL APPLICATION
- Automotive
- Bluetooth, Wireless
- Computers, Modems, Communications
- Set-top Box, DECT/WDCT

DIMENSION (mm)



SOLDER PAD LAYOUT (mm)



ELECTRICAL SPECIFICATION

Parameter	Min.	Typical	Max.	Unit
Storage Temp. Range	-55	-	125	˚C
Standard Frequency	4.096, 10.368, 16, 25, 32, 48			MHz
Level of Drive	-	10	800	μw
Shunt Capacitance (Co)	-	-	7.0	pF
Insulation Resistance	500 MΩ@ DC100V	-	-	
Aging (@25°C 1st year)	±5.0			ppm / year

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

EQUIVALENT SERIES RESISTANCE (E.S.R)

Frequency Range	MODE	E.S.R
Fo ≦ 3.58 MHz	A1	<140 Ω
4 MHz < Fo < 5 MHz	A1	<120 Ω
5 MHz ≦ Fo < 7 MHz	A1	<80 Ω
7 MHz ≦ Fo < 9 MHz	A1	<45 Ω
9 MHz ≦ Fo < 13 MHz	A1	<40 Ω
13 MHz ≦ Fo < 16 MHz	A1	<35 Ω
16 MHz ≦ Fo < 20 MHz	A1	<30 Ω
20 MHz ≦ Fo < 30 MHz	A1	<25 Ω
30 MHz ≦ Fo < 36 MHz	A1	<25 Ω
30 MHz ≦ Fo < 36 MHz	A3	<80 Ω
36 MHz ≦ Fo ≦ 80 MHz	A3	<80 Ω

FREQ. STABILITY vs. LOAD CAPACITANCE

Load Capacitance \ ppm	±5	±10	±15	±20	±30
8pF	×	×	△	○	○
10pF	×	×	△	○	○
12pF	×	△	○	○	○
16pF	×	△	○	○	○
Series	△	○	○	○	○

* ○: Available △:Conditional X: Not available

FREQ. STABILITY vs. TEMP. RANGE

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

* ○: Available △:Conditional X: Not available

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