

XJ Type

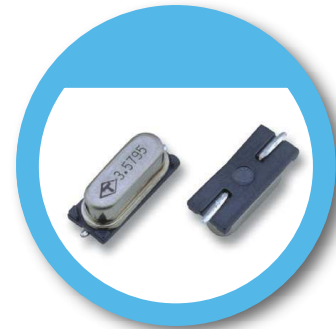
12.5 x 4.5 mm Crystal

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

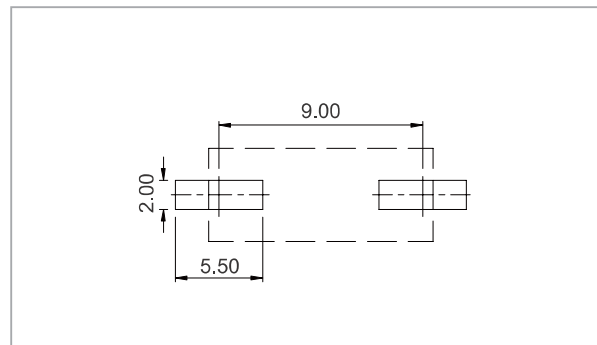


RoHS Compliant

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 1 st 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
$F_o \leq 3.58$ MHz	A1	<140 Ω
4 MHz < F_o < 5 MHz	A1	<120 Ω
5 MHz ≤ F_o < 7 MHz	A1	<80 Ω
7 MHz ≤ F_o < 9 MHz	A1	<45 Ω
9 MHz ≤ F_o < 13 MHz	A1	<40 Ω
13 MHz ≤ F_o < 16 MHz	A1	<35 Ω
16 MHz ≤ F_o < 20 MHz	A1	<30 Ω
20 MHz ≤ F_o < 30 MHz	A1	<25 Ω
30 MHz ≤ F_o < 36 MHz	A1	<25 Ω
30 MHz ≤ F_o < 36 MHz	A3	<80 Ω
36 MHz ≤ F_o ≤ 80 MHz	A3	<80 Ω

FREQ. STABILITY vs. LOAD CAPACITANCE

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

* ○: Available △:Conditional X: Not available

FREQ. STABILITY vs. TEMP. RANGE

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

* ○: Available △:Conditional X: Not available

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Resonators](#) category:

Click to view products by [TAITIEN](#) manufacturer:

Other Similar products are found below :

[B39431R820H210](#) [ECS-HFR-40.00-B-TR](#) [CSTLS4M00G53Z-A0](#) [ECS-CR2-16.00-A-TR](#) [ECS-HFR-20.00-B-TR](#) [ECS-CR2-20.00-A-TR](#)
[RO3164E-3](#) [CSTNE14M7V510000R0](#) [AWSCR-4.19CRLB-C15-T3](#) [AWSCR-4.91CRLB-C15-T3](#) [AWSCR-5.00CPLB-C30-T4](#)
[CSTNE8M00GH5C060R0](#) [9AC04194152080D2JB](#) [CSTCR4M91G55B-R0](#) [CSTLS3M68G56-B0](#) [FC-12M32.768KHZ9PF20PPM](#)
[7Y032768NW2](#) [ASR315S2](#) [ASR433.42E-T](#) [146-32.768-12.5-20-20/A](#) [ZTA 3.68MG](#) [X1A000091000500](#) [X1A0000910001](#) [AWSCR-](#)
[25.00CW-T](#) [AWSZT-12.00MWD-T](#) [ECS-SR1-4.19-B-TR](#) [7C024000HW1](#) [7C012000IW1](#) [7C012000MW1](#) [7C016000HW1](#) [7C016000MW1](#)
[7C016000RW1](#) [7C026000MW1](#) [7C040000HW1](#) [7C012000RW1](#) [7C024000MW1](#) [7C026000HW1](#) [7C024576RW1](#) [X201632MKB4SI](#)
[7C027000MW1](#) [7E25000E18UCG](#) [7E50000E18UCG](#) [XYCCCLNANF-16.000000MHZ](#) [XYDBPCNANF-12MHZ](#) [XYDBBCNANF-](#)
[16.000000MHZ](#) [XYDBBCNANF-24.000000MHZ](#) [XYHCCLNANF-24.000000MHZ](#) [XYBBCLNANF-26.000000MHZ](#)
[CM4012M00020T8188026](#) [CM4016M00009T8188027](#)