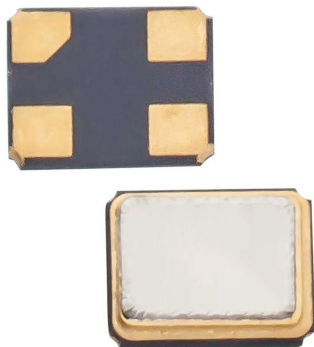


RoHS  
Compliant



## Applications

- Telecommunications
- DVC
- PC
- DSC
- PDA
- Wearables, etc.

## Features

- 3225 size ultra miniature and lightweight SMD crystal units with low profile of 0.7mm
- Frequency range from 10MHz to 64MHz
- High precision and high reliability
- Automatic mounting and reflow soldering

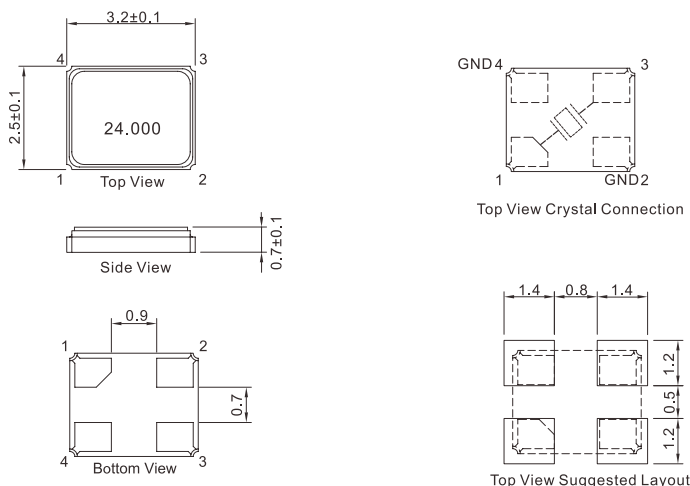
## Standard Specifications

Type	MP7U Series SMD Crystal
Frequency Range	10~64 MHz
Frequency Tolerance (at 25°C)	±10ppm, ±20ppm
Frequency Stability (over Operating Temp.)	±10ppm, ±20ppm
Operating Temperature Range	-40°C to +85°C
Shunt Capacitance (C <sub>0</sub> )	5pF Max.
Drive Level	1~200μW (100μW Typ.)
Load Capacitance	8pF to 20pF, or specify
Aging (at 25°C)	±3ppm /year Max.
Storage Temperature Range	-55°C to +125°C
Packing Unit	3000pcs./Reel

## Equivalent Series Resistance

Fundamental	
10~16 MHz	100Ω Max.
16~20 MHz	80Ω Max.
20~64 MHz	60Ω Max.

## Dimensions



Dimensions : Millimetres

## Part Number Table

Description	Part Number
SMD Crystal, 3.2mm × 2.5mm, 12PF, 10PPM, 10.000MHz	MP-7U-10.00-12-10-150-C-30
SMD Crystal, 3.2mm × 2.5mm, 18PF, 20PPM, 10.000MHz	MP-7U-10.00-18-20-150-B-30
SMD Crystal, 3.2mm × 2.5mm, 18PF, 10PPM, 11.0592MHz	MP-7U-11.0592-18-10-150-C-30
SMD Crystal, 3.2mm × 2.5mm, 18PF, 10PPM, 12.000MHz	MP-7U-12.00-18-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 18PF, 10PPM, 16.000MHz	MP-7U-16.00-18-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 9PF, 10PPM, 16.000MHz	MP-7U-16.00-9-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 18PF, 10PPM, 20.000MHz	MP-7U-20.00-18-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 20PF, 10PPM, 24.000MHz	MP-7U-24.00-20-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 9PF, 10PPM, 24.000MHz	MP-7U-24.00-9-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 20PF, 10PPM, 25.000MHz	MP-7U-25.00-20-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 16PF, 10PPM, 26.000MHz	MP-7U-26.00-16-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 9PF, 10PPM, 26.000MHz	MP-7U-26.00-9-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 18PF, 10PPM, 27.000MHz	MP-7U-27.00-18-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 20PF, 10PPM, 27.120MHz	MP-7U-27.12-20-10-60-B-10
SMD Crystal, 3.2mm × 2.5mm, 9PF, 10PPM, 40.000MHz	MP-7U-40.00-9-10-40-B-10
SMD Crystal, 3.2mm × 2.5mm, 10PF, 10PPM, 8.000MHz	MP-7U-8.00-10-10-150-C-50
SMD Crystal, 3.2mm × 2.5mm, 12PF, 10PPM, 8.000MHz	MP-7U-8.00-12-10-150-C-50
SMD Crystal, 3.2mm × 2.5mm, 8PF, 10PPM, 8.000MHz	MP-7U-8.00-8-10-150-C-50

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