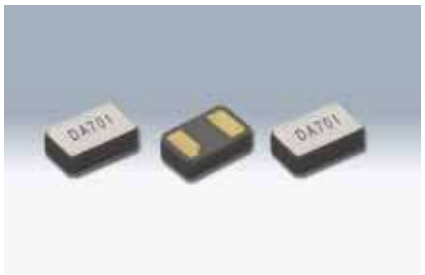
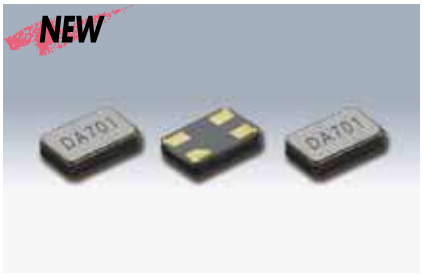
SMD Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

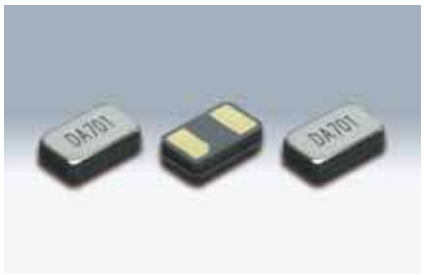
DST1610A/DST1610AL/DST210A



DST1610A Actual size



DST1610AL Actual size



DST210A Actual size

■ Features

- Ultra miniature SMD tuning fork crystal resonator
  DST1610A: 1610size hight 0.5mm max.
  DST1610AL: 1610size hight 0.35mm max.
  DST210A: 2012size hight 0.55mm max.
- A ceramic package with metal lid providing high precision and reliability.
- Metal lid connected to GND terminal to reduce EMI (DST1610AL).
- Suitable for mobile communications and consumer devices.

Pb-Free

RoHS Compliant

■ Applications

- Mobile communications and consumer devices, etc.
- Smart card and Wearable devices (DST1610AL).

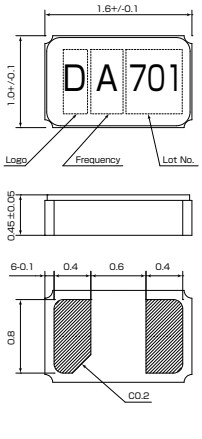
■ Standard Specification

Item \ Type	DST1610A	DST1610AL	DST210A
Frequency Range	32.768kHz		
Load Capacitance	9pF、10pF、12.5pF		
Drive Level	0.1μW (1.0μW max.)		0.2μW (1.0μW max.)
Frequency Tolerance	$\pm20\times10^{-6}$, $\pm30\times10^{-6}$, $\pm50\times10^{-6}$, $\pm100\times10^{-6}$(at 25℃)		
Series Resistance	90kΩ max.		80kΩ max.
Turnover Temperature	+25℃±5℃		
Parabolic Coefficient	-0.04×10^{-6}/℃^{2} max.		
Operating Temperature Range	−40～+85℃		
Storage Temperature Range	−40～+85℃		
Shunt Capacitance	1.3pF Typ.	1.2pF Typ.	1.0pF Typ.
Packing Unit	3,000pcs/reel (φ180)		

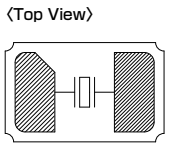
Consult our sales representative for other specifications.

■DST1610A

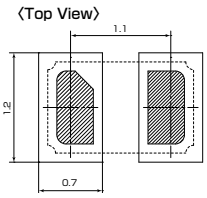
■ Dimensions[mm]



■ Internal Connections

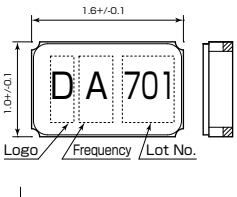


■ Recommended Land Pattern [mm]

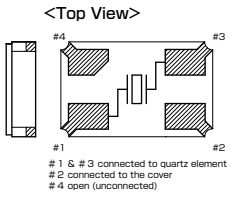


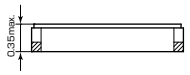
■DST1610AL

■ Dimensions[mm]

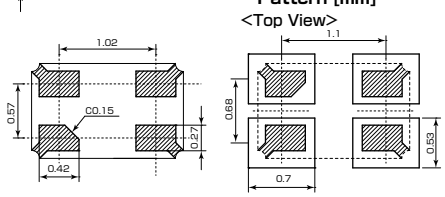


■ Internal Connections



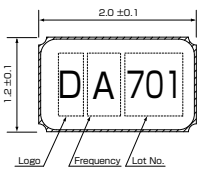


■ Recommended Land Pattern [mm]

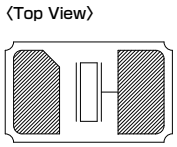


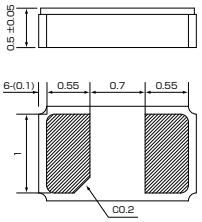
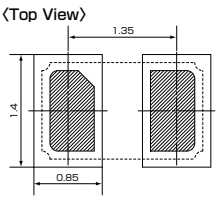
■ DST210A

■ Dimensions[mm]



■ Internal Connections





■ Recommended Land Pattern [mm]