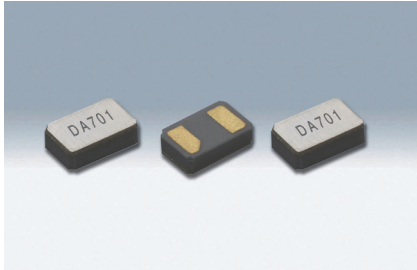
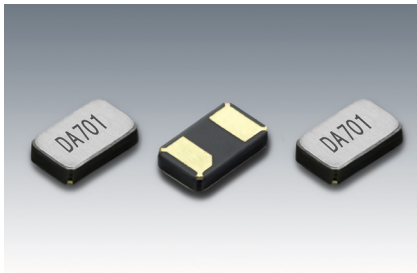


# SMD Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

## DST1610A/DST210AC



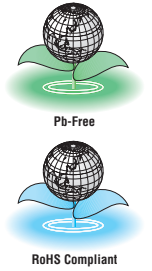
DST1610A Actual size



DST210AC Actual size

### ■ Features

- Ultra miniature SMD tuning fork crystal resonator  
DST1610A: 1610size, height 0.45mm  
DST210AC: 2012size, height 0.5mm
- A ceramic package with a metal lid providing high precision and reliability.
- Suitable for mobile communications and consumer devices.
- Series Resistance 50kΩ max. available.
- AEC-Q200 Compliant (DST210AC)



### ■ Applications

- Mobile communications and consumer devices, etc.

### ■ Standard Specification

Item	Type	DST1610A	DST210AC
Frequency Range		32.768kHz	
Load Capacitance		4pF, 6pF, 7pF, 9pF, 12.5pF	6pF, 7pF, 9pF, 12.5pF
Drive Level		0.1 μW (0.5 μW max.)	
Frequency Tolerance		±20×10 <sup>-6</sup> (at 25°C)	
Series Resistance		50/80kΩ max.	
Turnover Temperature		+25°C ±5°C	
Parabolic Coefficient		-0.04×10 <sup>-6</sup> /°C <sup>2</sup> max.	
Operating Temperature Range		-40 to +85°C	
Storage Temperature Range		-40 to +85°C	
Shunt Capacitance		1.6/1.3pF typ.	
Packing Unit (1)		3000pcs/reel (φ 180)	

(1) Moisture prevention packing is unnecessary.  
Moisture Sensitivity Level : LEVEL 1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

### ■ DST1610A

[mm]

### ■ DST210AC

[mm]

