

## SMD Tuning Fork Crystal Resonators / kHz Band Crystal Resonators **DST311S/DST310S**



DST311S

Features

- 3215 size miniature and lightweight SMD tuning fork crystal resonator with a low profile of 0.75mm.
- A ceramic package with a metal lid providing high precision and reliability.
- Metal lid connected to GND terminal to reduce EMI (DST311S).
- Noise sensitive applications (smart meter etc.) (DST311S).
- Series Resistance  $50k\Omega$  max. available.
- AEC-Q200 Compliant (DST310S)

## Applications

• Mobile communications, radio-controlled clock, digital home appliances. • Automotive applications such as multimedia devices (AEC-Q200 Compliant).



DST310S

Actual size 🛛

Actual size 📖

## Standard Specification

Item Type	DST311S	DST310S
Frequency Range	32.768kHz	
Load Capacitance	7pF, 9pF, 12.5pF	
Drive Level	0.2μW (1.0μW max.)	
Frequency Tolerance	±20×10 <sup>-6</sup> (at 25℃)	
Series Resistance	50kΩ max.	
Turnover Temperature	+25℃±5℃	
Parabolic Coefficient	-0.04×10 <sup>-6</sup> /°C <sup>2</sup> max.	
Operating Temperature Range	−40 to +85℃	
Storage Temperature Range	−40 to +85℃	
Shunt Capacitance	0.9pF typ.	1.3pF typ.
Packing Unit (1)	3000pcs./reel (¢180)	

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



Consult our sales representative for other specifications.

