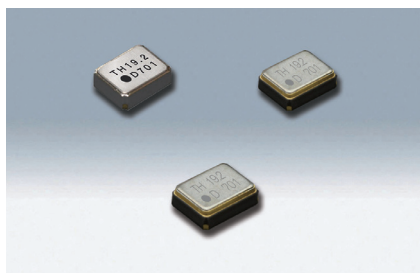


SMD Crystal Resonators with dedicated temperature sensor / MHz Band Crystal Resonators

DSR211ATH/DSR211STH/DSR221STH



Actual size DSR211ATH ■ DSR211STH ■
DSR221STH ■

Features

- DSR211ATH: 2016size, height 0.65mm max.
- DSR211STH: 2016size, height 0.8mm max. (19.2MHz / 26MHz)
0.65mm max. (38.4MHz)
- DSR221STH: 2520size height 1.0mm max.
- Built-in NTC thermistor

Applications

- Mobile phones
- GPS/GNSS
- Wearable devices
- UWB



Standard Specification

Item	Type	DSR211ATH	DSR211STH	DSR221STH
Frequency Range		19.2MHz	19.2MHz / 26MHz / 38.4MHz / 55.2MHz	19.2MHz/26MHz
Overtone Order		Fundamental		
Load Capacitance		6pF, 7pF, 8pF		
Drive Level		10μW (100μW max.)		
Frequency Tolerance		±10×10 ⁻⁶ (at 25°C)		
Series Resistance		80Ω max.		
Frequency Characteristics over Temperature		±12×10 ⁻⁶ / -30 to +85 °C		
Storage Temperature Range		-40 to +125 °C		
Thermistor Resistance		10kΩ / 22kΩ / 100kΩ (at +25°C)		
Thermistor B-constant		3380K / 3435K / 4250K (+25°C to +50°C)		
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.

DSR211ATH

[mm]

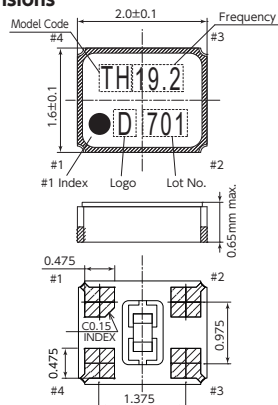
DSR211STH

[mm]

DSR221STH

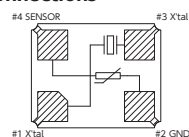
[mm]

Dimensions



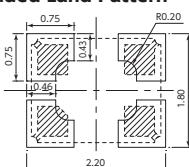
Internal Connections

(Top View)

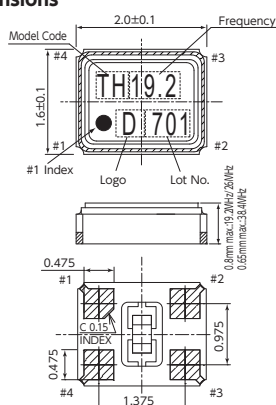


Recommended Land Pattern

(Top View)

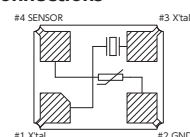


Dimensions



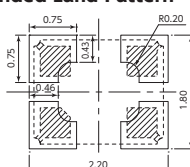
Internal Connections

(Top View)

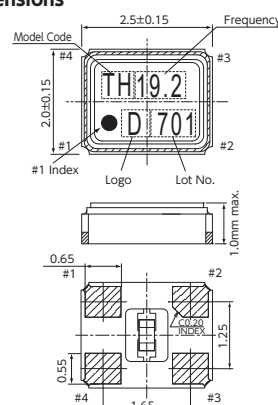


Recommended Land Pattern

(Top View)

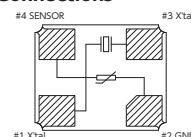


Dimensions



Internal Connections

(Top View)



Recommended Land Pattern

(Top View)

