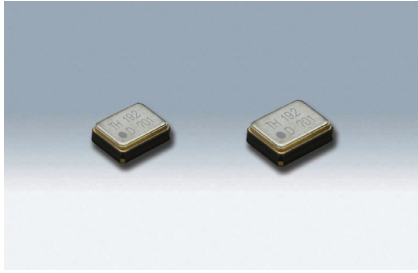


SMD Crystal Resonators with dedicated temperature sensor / MHz Band Crystal Resonators

DSR211STH/DSR221STH



Actual size DSR211STH □ DSR221STH □

■ Features

- DSR211STH: 2016size, height 0.7mm (19.2MHz / 26MHz)
0.6mm (38.4MHz)
- DSR221STH: 2520size height 0.9mm
- Built-in NTC thermistor

■ Applications

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



■ Standard Specification

Item	Type	DSR211STH	DSR221STH
Frequency Range		19.2MHz / 26MHz / 38.4MHz / 55.2MHz	19.2MHz/26MHz
Overtone Order		Fundamental	
Load Capacitance		6pF, 7pF, 8pF	
Drive Level		10 μW (100 μW 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		3435K (+25 to +85°C) / 3380K / 4250K (+25 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.

■ DSR211STH

■ DSR221STH

[mm]

■ Dimensions

■ Internal Connections

(Top View)

■ Recommended Land Pattern

(Top View)

■ Dimensions

■ Internal Connections

(Top View)

■ Recommended Land Pattern

(Top View)