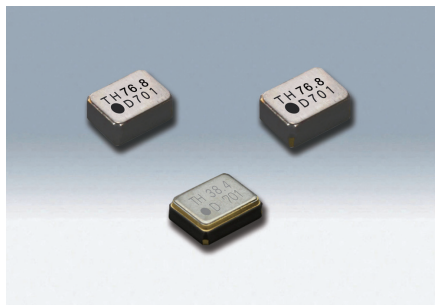


SMD Crystal Resonators with dedicated temperature sensor / MHz Band Crystal Resonators

DSR1210ATH/DSR1612ATH/DSR1612STH



Actual size DSR1210ATH □ DSR1612ATH □
DSR1612STH □

■ Features

- DSR1210ATH: 1210size, height 0.55mm max.
- DSR1612ATH/STH: 1612size, height 0.65mm max.
- Built-in NTC thermistor

■ Applications

- Mobile phones
- GPS/GNSS
- Wearable devices



■ Standard Specification

Item	Type	DSR1210ATH	DSR1612ATH	DSR1612STH
Frequency Range		38.4MHz / 76.8MHz	38.4MHz / 52MHz / 76.8MHz	38.4MHz
Overtone Order		Fundamental		
Load Capacitance		6pF, 7pF, 8pF		
Drive Level		10μW (100μW max.)		
Frequency Tolerance		±10×10 ⁻⁶ (at 25℃)		
Series Resistance		80Ω max.		
Frequency Characteristics over Temperature		±12×10 ⁻⁶ / -30 to +85 ℃		
Storage Temperature Range		-40 to +125 ℃		
Thermistor Resistance		100kΩ (at +25℃)	22kΩ / 100kΩ(at +25℃)	
Thermistor B-constant		4250K (+25℃ to +50℃)	3380K / 4250K(+25℃ to +50℃)	
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.

■ DSR1210ATH

[mm]

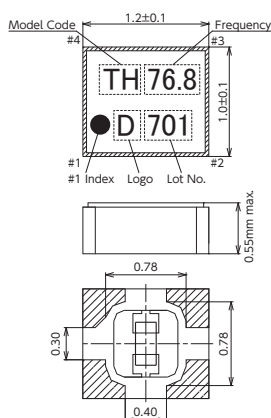
■ DSR1612ATH

[mm]

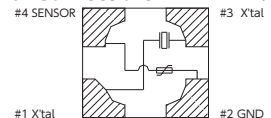
■ DSR1612STH

[mm]

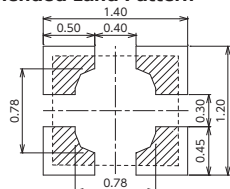
■ Dimensions



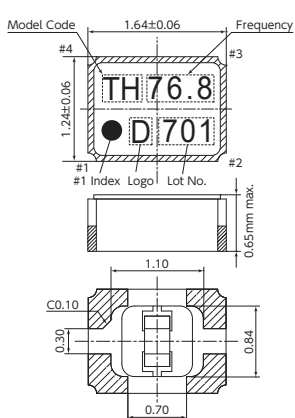
■ Internal Connections



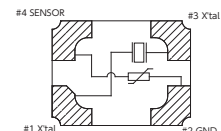
■ Recommended Land Pattern



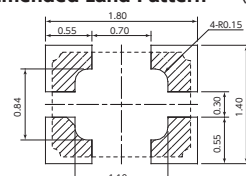
■ Dimensions



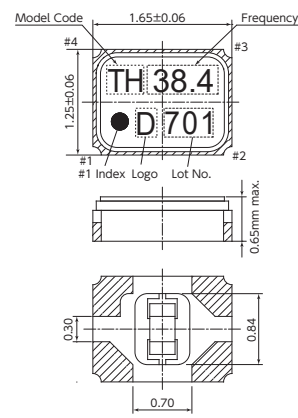
■ Internal Connections



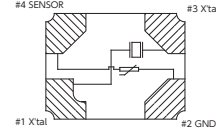
■ Recommended Land Pattern



■ Dimensions



■ Internal Connections



■ Recommended Land Pattern

