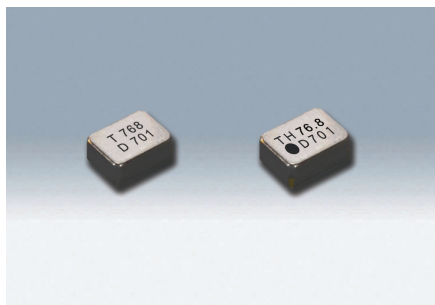


SMD Crystal Resonators with dedicated temperature sensor / MHz Band Crystal Resonators

DSR1210ATH/DSR1612ATH



Actual size DSR1210ATH □ DSR1612ATH □

■ Features

- DSR1210ATH: 1210size, height 0.45mm
- DSR1612ATH: 1612size, height 0.55mm
- Built-in NTC thermistor

■ Applications

- Mobile phones
- GPS/GNSS
- Wearable devices



■ Standard Specification

Item	Type	DSR1210ATH	DSR1612ATH
Frequency Range		76.8MHz	38.4MHz / 52MHz / 76.8MHz
Overtone Order		Fundamental	
Load Capacitance		6pF, 7pF, 8pF	
Drive Level		10 μ W (100 μ W max.)	
Frequency Tolerance		$\pm 10 \times 10^{-6}$ (at 25°C)	
Series Resistance		80 Ω max.	
Frequency Characteristics over Temperature		$\pm 12 \times 10^{-6}$ / -30 to +85 °C	
Storage Temperature Range		-40 to +125 °C	
Thermistor Resistance		100k Ω (at +25°C)	22k Ω / 100k Ω (at +25°C)
Thermistor B-constant		4250K (+25°C to +50°C)	3380K / 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.

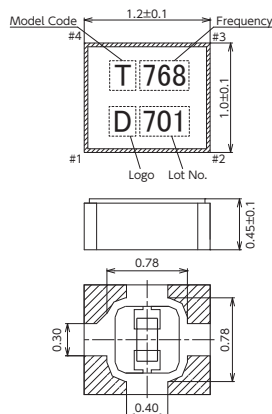
■ DSR1210ATH

[mm]

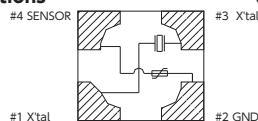
■ DSR1612ATH

[mm]

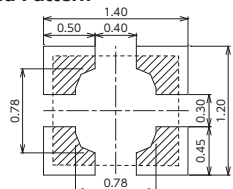
■ Dimensions



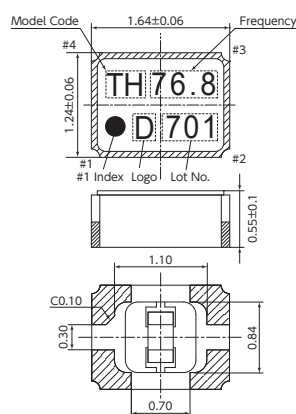
■ Internal Connections



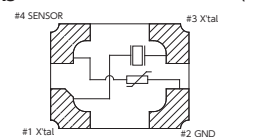
■ Recommended Land Pattern



■ Dimensions



■ Internal Connections



■ Recommended Land Pattern

