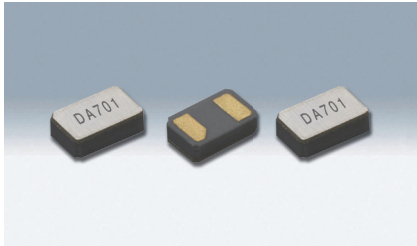


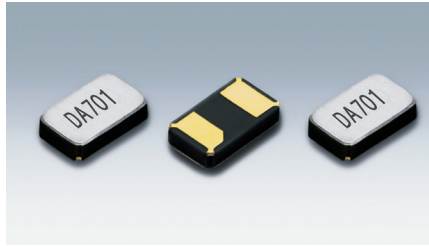
SMD Tuning Fork Crystal Resonators / kHz Band Crystal Resonators (For Automotive)

DST1610A/DST210AC/DST310S



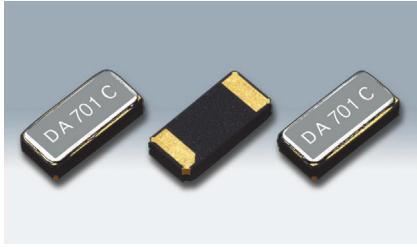
DST1610A

Actual size □



DST210AC

Actual size □



DST310S

Actual size □

■ Features

- AEC-Q200 Compliant
- Pb free
- RoHS/ELV Compliant

■ Applications

- Automotive multimedia devices



Pb-Free



RoHS/ELV Compliant

■ Standard Specification

Item	Type	DST1610A	DST210AC	DST310S
Frequency Range		32.768kHz		
Load Capacitance		7pF, 9pF, 12.5pF		
Drive Level		0.1μW(0.5μW max.)		0.2μW(1.0μW max.)
Frequency Tolerance		±20×10 ⁻⁶ (at 25°C)		
Series Resistance		80kΩ max. (-40 to +85°C) 120kΩ max. (-40 to +125°C)		50kΩ max. (-40 to +85°C) 80kΩ max. (-40 to +125°C)
Turnover Temperature		+25°C±5°C		
Parabolic Coefficient		-0.04×10 ⁻⁶ / °C ² max.		
Operating Temperature Range		-40 to +85°C / -40 to +125°C		
Storage Temperature Range		-40 to +125°C		
Shunt Capacitance		1.3pF typ.		
Reliability		AEC-Q200		
Packing Unit (1)		3000pcs./reel(φ180)		

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

Consult our sales representative for other specifications.

■ DST1610A

[mm]

■ DST210AC

[mm]

■ DST310S

[mm]

DST1610A		DST210AC		DST310S	
■ Dimensions 	■ Internal Connections (Top View) 	■ Dimensions 	■ Internal Connections (Top View) 	■ Dimensions 	■ Internal Connections (Top View)
■ Recommended Land Pattern (Top View) 		■ Recommended Land Pattern (Top View) 		■ Recommended Land Pattern (Top View) 	