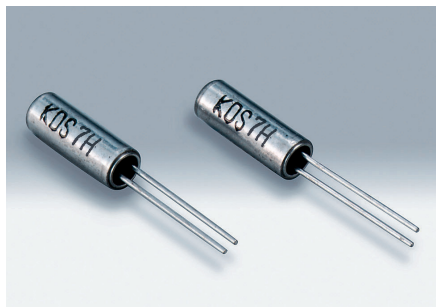


# Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

## DT-38, DT-381/DT-26, DT-261



Low power consuming tuning fork crystal resonators are suitable not only for wristwatches but also for a wide range of other applications from industrial equipment to the clock functions in consumer and household electronics.



### ■ Features

- A cylindrical type tuning fork crystal resonator

### ■ Standard Specification

Item	Type	DT-38	DT-381	DT-26	DT-261
Frequency Range		32.768kHz	20 to 90kHz	32.768kHz	28 to 90kHz
Load Capacitance		12.5pF (1)			
Drive Level		1.0μW (2.0μW max.)			
Frequency Tolerance		±20×10 <sup>-6</sup> (at 25°C)			
Series Resistance		30kΩ max. (2)		40kΩ max. (2)	
Turnover Temperature		+25°C±5°C			
Parabolic Coefficient		-0.04×10 <sup>-6</sup> /°C <sup>2</sup> max.			
Operating Temperature Range		-10 to +60°C			
Storage Temperature Range		-20 to +70°C			
Shunt Capacitance		1.3pF typ.	(2)	1.1pF typ.	(2)

(1) Other capacitance value is available upon your request.

(2) Upon customer request.

(3) Moisture prevention packing is unnecessary.

Moisture Sensitivity Level : LEVEL 1 (IPC/JEDEC J-STD-033)

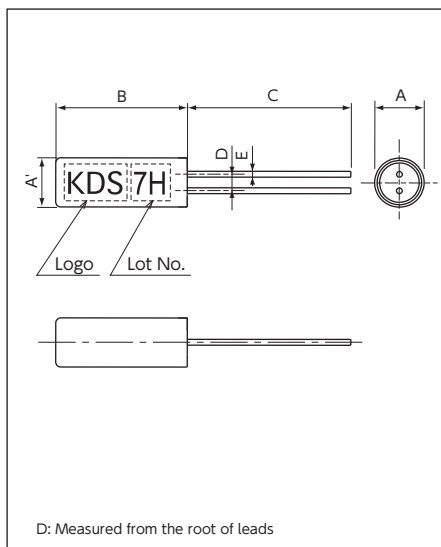
Consult our sales representative for other specifications.

### ■ Dimensions[mm]

Type	A'	A	B	C	D	E
DT-38, DT-381	φ 3.0	φ 3.0 <sup>+0.1</sup> <sub>-0.2</sub>	8.0 <sup>+0.3</sup> <sub>-0.2</sub>	10.0±1.0	1.1±0.2	φ 0.35±0.07
DT-26, DT-261	φ 2.0	φ 2.0 <sup>+0</sup> <sub>-0.2</sub>	6.0 <sup>+0.1</sup> <sub>-0.2</sub>	7.5±1.0	0.7±0.2	φ 0.28±0.05

### ■ Dimensions

[mm]



### ■ Load Capacitance Characteristics (Example)

