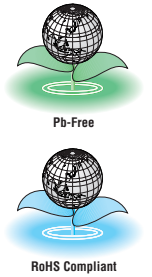


# Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

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



Low power consuming tuning fork crystal resonators are essentially used for wristwatches but are also suitable 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
- Taped and reeled allowing for automatic surface mounting. (DT-38, DT-381)

### ■ Standard Specification

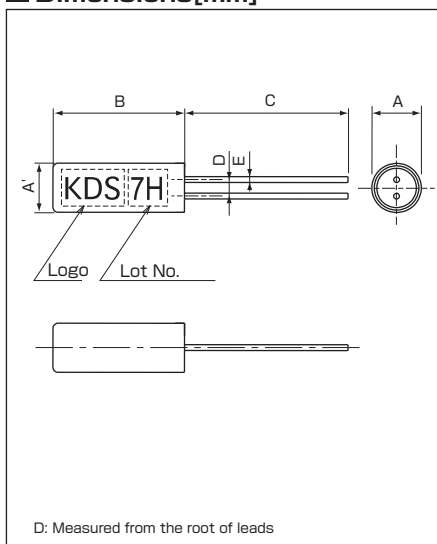
Item	Type	DT-38	DT-381	DT-26	DT-261
Frequency Range		32.768kHz	15~150kHz	32.768kHz	28~100kHz
Load Capacitance		Series, 9pF, 10pF, 12.5pF ※1			
Drive Level		1.0μW (2.0μW max.)			
Frequency Tolerance		GRADE A±20×10 <sup>-6</sup> (at25°C) GRADE B±30×10 <sup>-6</sup> (at25°C)	※2	GRADE A±20×10 <sup>-6</sup> (at25°C) GRADE B±30×10 <sup>-6</sup> (at25°C)	※2
Series Resistance		30kΩ max.	※2	40kΩ max.	※2
Turnover Temperature		+25°C±5°C	※2	+25°C±5°C	※2
Two Dimensional Temperature Constant		-0.04×10 <sup>-6</sup> /°C <sup>2</sup> max.			
Operating Temperature Range		-10~+60°C			
Storage Temperature Range		-20~+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.

### ■ Dimensions[mm]

Type	A'	A	B	C	D	E
DT-38, DT-381	φ3.0	φ3.0 <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	φ0.35±0.07 (□0.25±0.07)
DT-26, DT-261	φ2.0	φ2.0 <sup>+0.1</sup> <sub>-0.2</sub>	6.0 <sup>+0.1</sup> <sub>-0.2</sub>	7.5±1.0	0.7±0.2	φ0.28±0.05

### ■ Dimensions[mm]



### ■ Load Capacitance Characteristics (Typical examples)

