

Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

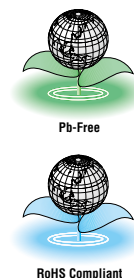
DT-38, DT-381/DT-26, DT-261



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

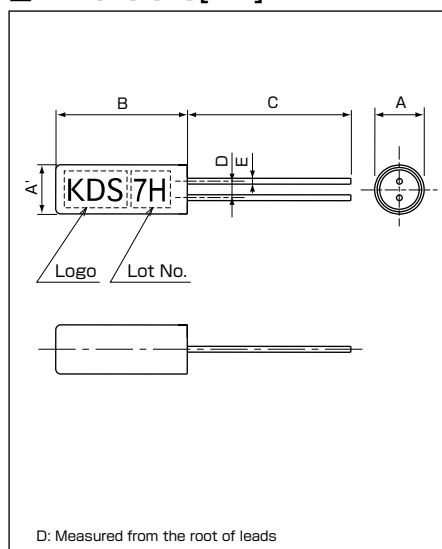
Item	Type	DT-38	DT-381	DT-26	DT-261
Frequency Range		32.768kHz	14.75 ~ 153.6kHz	32.768kHz	28 ~ 100kHz
Load Capacitance		Series, 9pF, 10pF, 12.5pF ※1			
Drive Level		1.0μW (2.0μW max.)			
Frequency Tolerance		GRADE A $\pm 20 \times 10^{-6}$ (at25°C) GRADE B $\pm 30 \times 10^{-6}$ (at25°C)	※2	GRADE A $\pm 20 \times 10^{-6}$ (at25°C) GRADE B $\pm 30 \times 10^{-6}$ (at25°C)	※2
Series Resistance		30kΩ max.	※2	40kΩ max.	※2
Turnover Temperature		+25°C $\pm 5^\circ\text{C}$	※2	+25°C $\pm 5^\circ\text{C}$	※2
Parabolic Coefficient		$-0.04 \times 10^{-6}/^\circ\text{C}^2$ max.			
Operating Temperature Range		$-10 \sim +60^\circ\text{C}$			
Storage Temperature Range		$-20 \sim +70^\circ\text{C}$			
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	$\phi 3.0$	$\phi 3.0^{+0.1}_{-0.2}$	$8.0^{+0.3}_{-0.2}$	10.0 ± 1.0	1.1 ± 0.2	$\phi 0.35 \pm 0.07$ ($\square 0.25 \pm 0.07$)
DT-26, DT-261	$\phi 2.0$	$\phi 2.0^{+0}_{-0.2}$	$6.0^{+0.1}_{-0.2}$	7.5 ± 1.0	0.7 ± 0.2	$\phi 0.28 \pm 0.05$

■ Dimensions[mm]



■ Load Capacitance Characteristics (Example)

