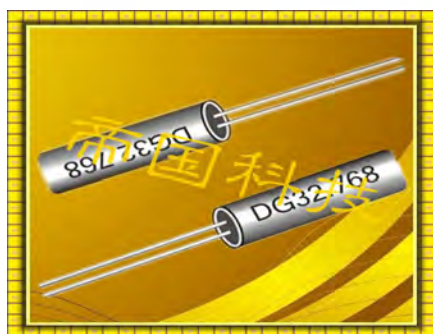


Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

D-38, D-381/D-26, D-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

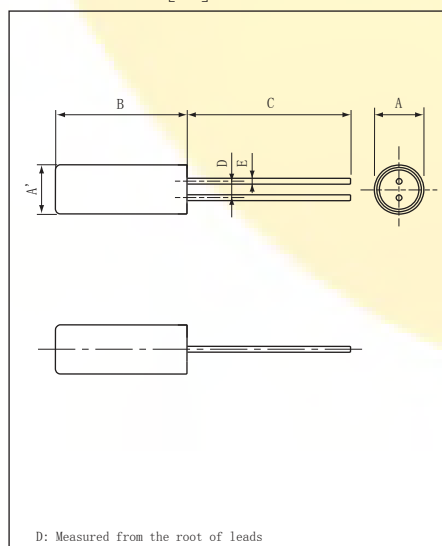
Item	Type	D-38	D-381	D-26	D-261
Frequency Range		32.768 kHz	14.75 ~ 153.6 kHz	32.768 kHz	28 ~ 100 kHz
Load Capacitance		Series, 9 pF, 10 pF, 12.5 pF ※1			
Drive Level		1.0 μW (2.0 μW max.)			
Frequency Tolerance		GRADE A±20×10 ⁻⁶ (at 25°C) GRADE B±30×10 ⁻⁶ (at 25°C)	※2	GRADE A±20×10 ⁻⁶ (at 25°C) GRADE B±30×10 ⁻⁶ (at 25°C)	※2
Series Resistance		30 kΩ max.	※2	40 kΩ max.	※2
Turnover Temperature		+25°C±5°C	※2	+25°C±5°C	※2
Parabolic Coefficient		-0.04×10 ⁻⁶ /°C ² max.			
Operating Temperature Range		-10 ~ +60 °C			
Storage Temperature Range		-20 ~ +70 °C			
Shunt Capacitance		1.3 pF Typ.	※2	1.1 pF Typ.	※2

※1: Other capacitance value is available upon your request. Upon customer request.

■ Dimensions [mm]

Type	A'	A	B	C	D	E
D-38, D-381	φ 3.0	φ 3.0 +0.1 -0.2	8.0 +0.3 -0.2	10.0±1.0	1.1±0.2	φ 0.35±0.07 (0.25±0.07)
D-26, D-261	φ 2.0	φ 2.0 +0 -0.2	6.0 +0.1 -0.2	7.5±1.0	0.7±0.2	φ 0.28±0.05

■ Dimensions [mm]



■ Load Capacitance Characteristics (Example)

