

KYOCERA Tunning Fork Crystal units "DT1610SB series"
Tentative spec sheet

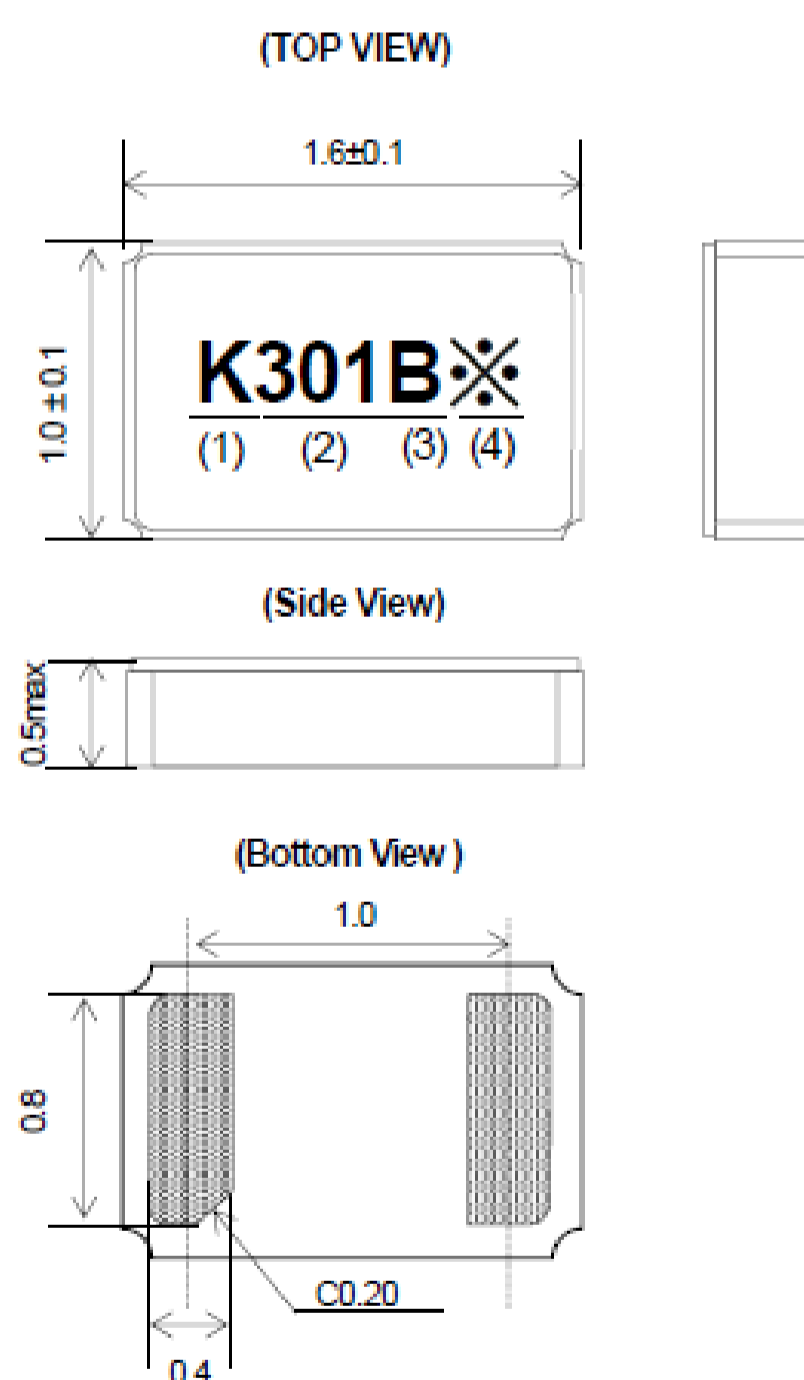
KYOCERA Part Number : DT1610SB32768E0HPWAA(CL=9.0pF)
DT1610SB32768C0HPWAA(CL=7.0pF)
DT1610SB32768B0HPWAA(CL=6.0pF)

Electrical Characteristics

No.	Item	Symbol	Unit	Min.	Typ.	Max.	Notes
1	Package area	-	mm ²	1.6×1.0			
2	Nominal Frequency	f ₀	kHz	32.768			Ta = 25°C
3	Frequency Tolerance	df/f ₀	ppm	-20	-	20	Ta = 25°C ± 3°C
4	Load Capacitance	CL	pF	-	9.0/7.0/6.0	-	
5	Equivalent series resistance	R ₁	kΩ	-	-	80	
6	Q-Value	Q		-	14000	-	
7	Motional capacitance	C ₁	fF	-	5.2	-	
8	Shunt capacitance	C ₀	pF	-	1.3	-	
9	Turning point	T _p	°C	20	25	30	
10	Secondary temperature Coefficient	K	10 ⁻⁶ /C ²	-	-	-0.04	
11	Aging	df/F	ppm/year	-5	-	5	Ta = 25°C
12	Drive level	DL	uW	-	0.1	0.5	
13	Insulation resistance(between electrodes)	IR	MΩ	500			DC 100 ± 15V

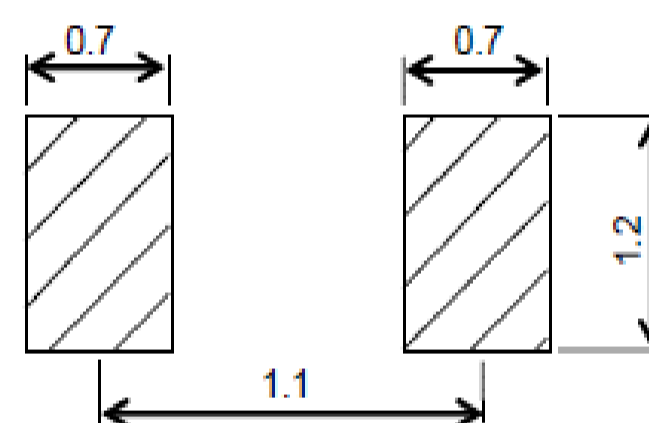
Appearances, Dimensions

Outline Dimensions(not to scale)



Unit : mm

Recommended Land Pattern



Unit : mm

Marking

- (1) Identification : K
- (2) Date Code (3 Digits) : Last 1 digit of year and week Code.
(Ex) 2024.Jan.1 ' 401
- (3) Load Capacitance : 9.0pF : B / 7.0pF : C / 6.0pF : D
- (4) Manufacturing Location : Overseas "C" / Japan "T"

*The font of marking above is for reference purpose.