



kHz Range Crystal Devices
Crystal Units
Surface Mount Type: Tuning Fork ST3215SB



3.2×1.5mm for Consumer/ Mobile Equipment



RoHS Compliant

Features

- Small, Low Profile
- Ceramic Package
- Reflow Compatible

Applications

- Consumer/ Mobile Equipment

How to Order

ST3215SB 32768 □ □ □ □ □ □ □
① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency 32.768kHz
③ Load Capacitance ④ Frequency Tolerance
H5 12.5 pF **H** $\pm 20 \times 10^{-6}$
⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
P -40 to +85°C **W** $\pm 200 \times 10^{-6}$
⑦ Individual Specification

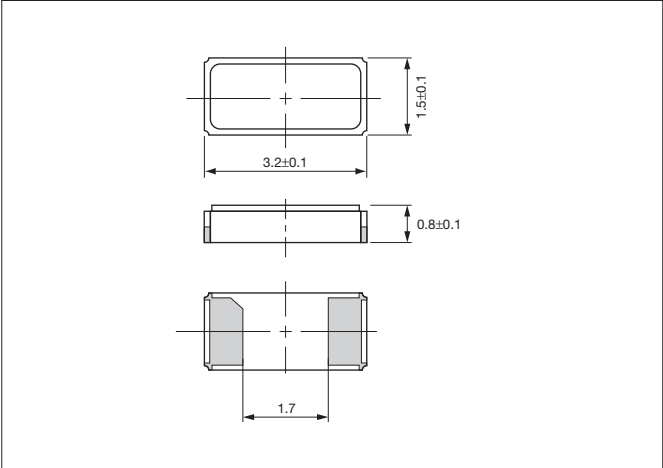
Packaging (Tape & Reel 3000/ 10000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Nominal Frequency	f _{nom}	32.768	kHz	
Frequency Tolerance	f _{tol}	±10, ±20	×10 ⁻⁶	25°C±3°C
Turnover Temperature	Ti	+25±5	°C	
Parabolic Coefficient	B	-0.04 max.	×10 ⁻⁶ / °C ²	
Motional Resistance	R1	70 max.	k-ohm	
Motional Capacitance	C1	3.7 typ.	fF	
Shunt Capacitance	C0	0.9 typ.	pF	
Load Capacitance	CL	12.5/ 9.0/ 7.0	pF	Please contact us
Drive Level	DL	0.1	μW	0.5 max.
Operating Temp. Range	T _{use}	-40 to +85	°C	
Storage Temp. Range	T _{stg}	-55 to +85	°C	
Frequency Aging	f _{age}	±3	×10 ⁻⁶	

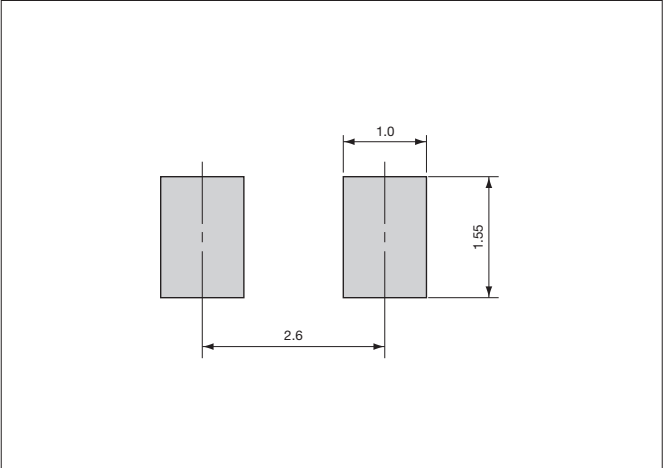
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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[ST3215SB32768E0HSZB1](#) [ST3215SB32768B0HSZA1](#) [ST3215SB32768C0HSZA1](#) [ST3215SB32768H5HSZA1](#)
[ST3215SB32768B0HPWBB](#)