



3.2×1.5mm for Consumer/ Mobile Equipment/ Automotive



RoHS Compliant

Features

- Small, Low Profile
- Ceramic Package
- Reflow Compatible
- AEC-Q200 qualified

Applications

- Consumer/ Mobile Equipment
- Car navigation system
- Car audio system

How to Order

ST3215SB 32768 □□ □ P W □□

① ② ③ ④ ⑤ ⑥ ⑦

① Series

② Frequency
32.768kHz

③ Load Capacitance

④ Frequency Tolerance

H5	12.5 pF	Std.
E0	9.0 pF	
C0	7.0 pF	
B0	6.0 pF	
A0	5.0 pF	
Z0	4.0 pF	

F	$\pm 10 \times 10^{-6}$
H	$\pm 20 \times 10^{-6}$

⑤ Operating Temp. Range

⑥ Frequency Temp. Stability

P	-40 to +85°C
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W	$\pm 200 \times 10^{-6}$
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⑦ Individual Specification

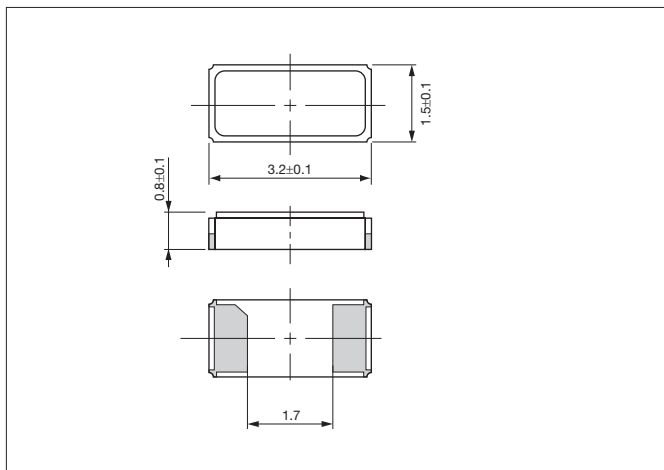
Packaging (Tape & Reel 3000/ 10000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Nominal Frequency	f _{nom}	32.768	kHz	
Frequency Tolerance	f _{tol}	±10, ±20	$\times 10^{-6}$	25°C±3°C
Turnover Temperature	Ti	+25±5	°C	
Parabolic Coefficient	B	-0.04 max.	$\times 10^{-6}/^{\circ}\text{C}^2$	
Motional Resistance	R1	70 max.	k-ohm	
Motional Capacitance	C1	3.7 typ.	fF	
Shunt Capacitance	C0	0.9 typ.	pF	
Load Capacitance	CL	4.0/ 5.0/ 6.0/ 7.0/ 9.0/ 12.5	pF	Please contact us for other Load Capacitance.
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	$\times 10^{-6}$	

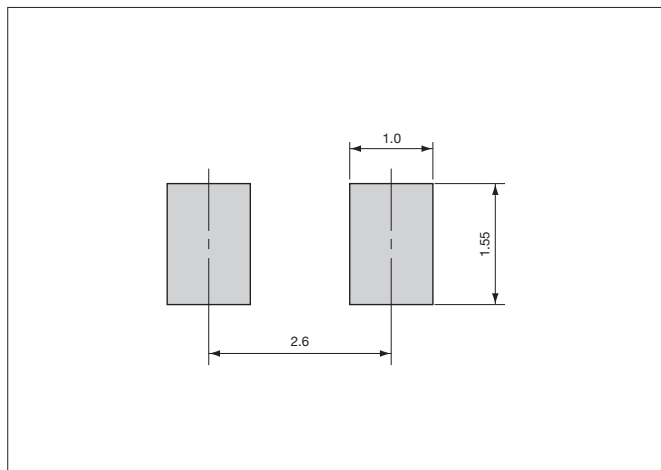
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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[AVX:](#)

[ST3215SB32768B0HPWBB](#) [ST3215SB32768A0HPWBB](#)

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[ST3215SB32768C0HSZA1](#) [ST3215SB32768H5HSZA1](#) [ST3215SB32768H5WZZAP](#)