

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 □ □ □ □ □ □

- ① Series ② Frequency 32.768kHz ③ Load Capacitance ④ Frequency Tolerance
- | | | | | |
|----|---------|------|---|-------------------------|
| H5 | 12.5 pF | Std. | F | $\pm 10 \times 10^{-6}$ |
| E0 | 9.0 pF | | H | $\pm 20 \times 10^{-6}$ |
| C0 | 7.0 pF | | | |
| B0 | 6.0 pF | | | |
| A0 | 5.0 pF | | | |
| Z0 | 4.0 pF | | | |
- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
- | | | | |
|---|--------------|---|--------------------------|
| P | -40 to +85°C | W | $\pm 200 \times 10^{-6}$ |
|---|--------------|---|--------------------------|
- ⑦ Individual Specification

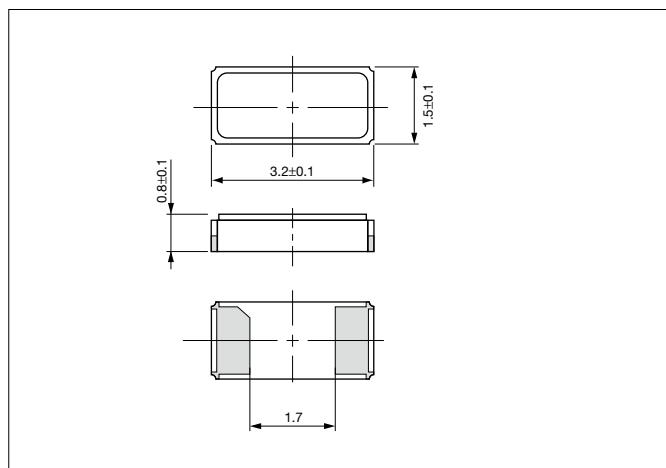
Packaging (Tape & Reel 3000/ 10000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Nominal Frequency	f _{nom}	32.768	kHz	
Frequency Tolerance	f _{tol}	±10, ±20	$\times 10^{-6}$	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
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	$\times 10^{-6}$	

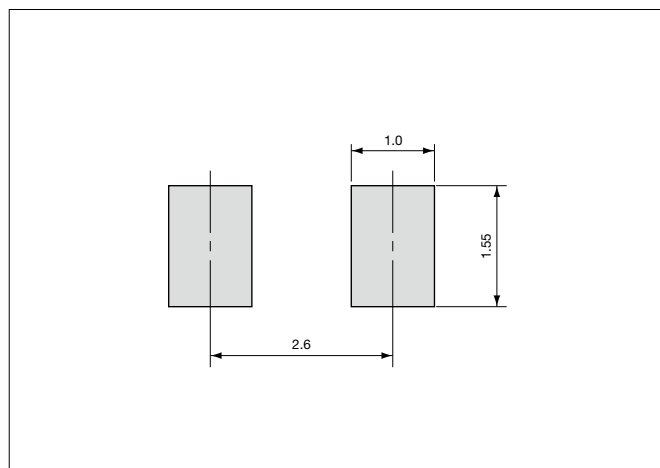
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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[AVX:](#)

[ST3215SB32768E0HPWZZ](#) [ST3215SB32768H5HPWZZ](#) [ST3215SB32768H5HPWAA](#) [ST3215SB32768E0HPWAA](#)
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