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

KYOCERA

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

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	

④ Frequency Tolerance

H	±20×10^{-6}

⑤ Operating Temp. Range

P	−40 to +85°C

⑥ Frequency Temp. Stability

W	±200×10^{-6}

⑦ Individual Specification

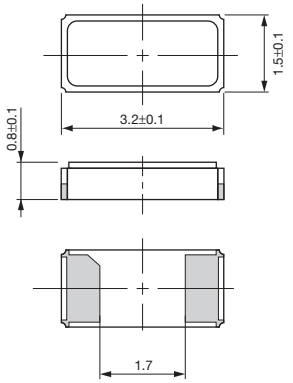
Packaging (Tape & Reel 3000/ 10000 pcs./ reel)

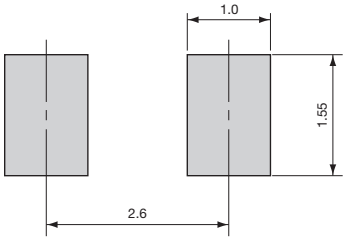
Specifications

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	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	×10^{-6}	

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)