

NX3215SA

For OA / AV / Mobile Communication / Automotives

■ Features

- Compact, thin, and light weight tuning fork crystal unit.
- Excellent electric performance optimum for mobile communications,
OA (office automation) and AV (audiovisual) applications are exhibited. (For OA / AV / Mobile Communication)
- Excellent heat resistance and environmental characteristics. (For Automotives)
- Meet the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200. (For Automotives)

Pb
Free

RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863



■ Specifications

Item	Model	NX3215SA					
Standard		Standard				Optional	
Main Application		For OA / AV / Mobile Communication			For Automotive		For OA / AV / Mobile Communication / Automotive
Nominal Frequency (kHz)		32.768				32.768	
Operating Temperature Range (°C)		-40 to +85			-40 to +125		-40 to +85 *1
Storage Temperature Range (°C)		-40 to +85			-40 to +125		-40 to +85 *1
Level of Drive (μW)		0.1 (Max. 0.5)				0.1 (Max. 0.5) *1	
Frequency Tolerance (25 ±3 °C)		±20 × 10 ⁻⁶				±20 × 10 ⁻⁶	
Turning Point (°C)		+25 ± 5				+25 ± 5	
Temperature Coefficient (/°C ²)		Max. -0.04 × 10 ⁻⁶				Max. -0.04 × 10 ⁻⁶	
Load Capacitance (pF)		6.0	9.0	12.5	6.0	9.0	12.5
Equivalent Series Resistance (kΩ)		Max. 70			Max. 80		Max. 70 *1
Shunt Capacitance (pF)		Typ. 1.0 / Max.1.5				Typ. 1.0 / Max.1.5	
Insulation Resistance (MΩ)		Min. 500				Min. 500	
Specifications Number		STD-MUA-14	STD-MUA-9	STD-MUA-8	STD-MUS-4	STD-MUS-3	STD-MUS-2
		Refer to *2					

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

*1 If you have any other requests, NDK will study it.

*2 Ordering information: Overtone Order Fundamental, the Operating Temperature Range, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (32.768000kHz 6digits),

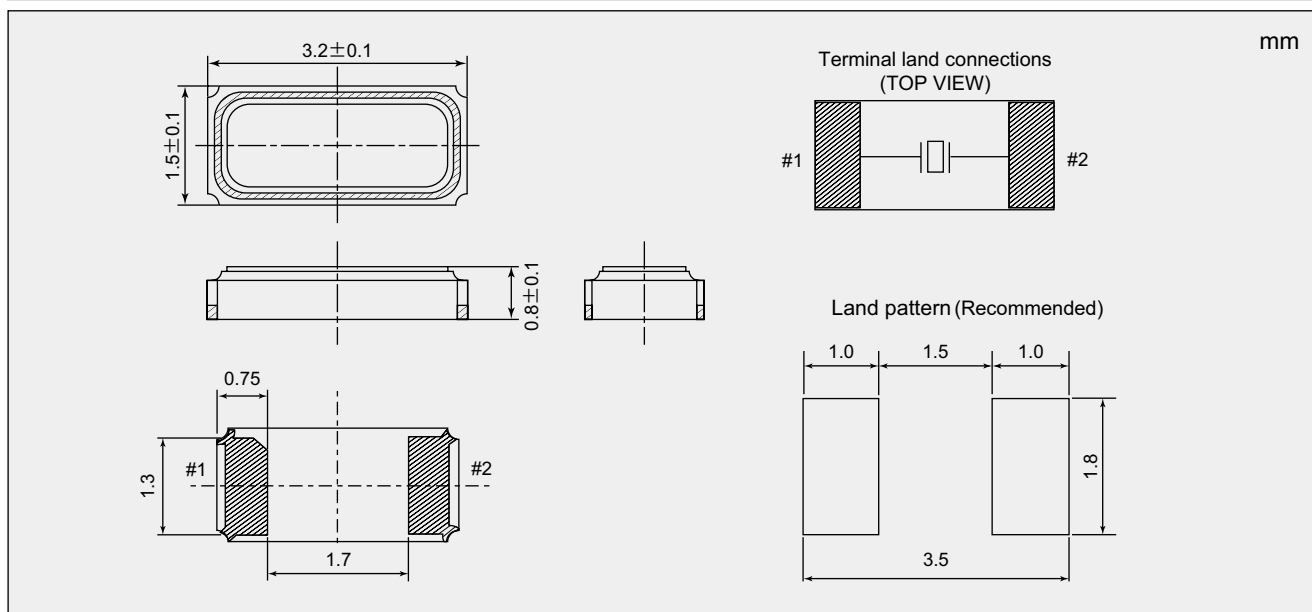
S1:Fundamental - Operating Range(-40 to +85°C) - Frequency Tolerance(±20×10⁻⁶) - Load Capacitance (9pF)

NX3215SA

32.768000kHz

S1-4085-20-9

■ Dimensions



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

NDK:

[NX3215SA-32.768K-STD-MUA-14](#) [NX3215SA-32.768K-STD-MUA-8](#) [NX3215SA-32.768K-STD-MUA-9](#) [NX3215SA-32.768K-STD-MUS-2](#)