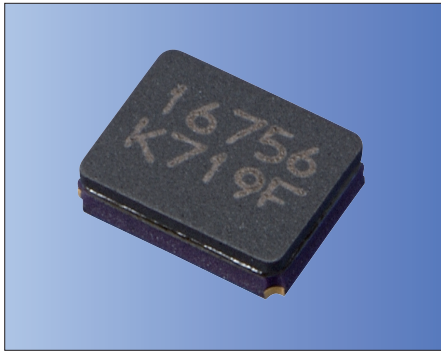




3.2×2.5mm for Consumer Products



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Small and low profile 0.9mm max. (3.2×2.5×0.8mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

How to Order

CX3225GB 27000 D0 H E Q CC
 ① ② ③ ④ ⑤ ⑥ ⑦

①Series	②Frequency
③Load Capacitance	④Frequency Tolerance
D0	8 pF
H	$\pm 20 \times 10^{-6}$
⑤Operating Temp. Range	⑥Frequency Temp. Stability
EQ	-10 to $+70^\circ\text{C}$
	$\pm 30 \times 10^{-6}$

⑦Individual Specification (STD Specification is "CC".)

Packaging (Tape & Reel 3000 pcs./ reel)

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f_{nom}	12000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f_{tol}	± 20	$\times 10^{-6}$	$25^\circ\text{C} \pm 3^\circ\text{C}$
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T_{use}	-10 to $+70$	$^\circ\text{C}$	
Storage Temp. Range	T_{stg}	-40 to $+85$	$^\circ\text{C}$	
Frequency Temp. Characteristics	f_{tem}	± 30	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table 1 Motional Series Resistance

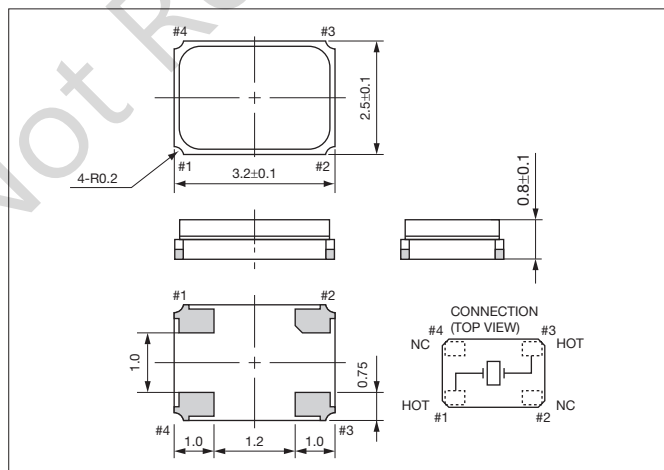
Frequency Range	Motional Series Resistance
$12000 \leq f_{nom} < 13000\text{kHz}$	150 Ω max.
$13000 \leq f_{nom} < 14000\text{kHz}$	100 Ω max.
$14000 \leq f_{nom} < 20000\text{kHz}$	80 Ω max.
$20000 \leq f_{nom} < 27000\text{kHz}$	60 Ω max.
$27000 \leq f_{nom} \leq 54000\text{kHz}$	50 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
$12000 \leq f_{nom} \leq 54000\text{kHz}$	10 μW (100 μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

