3.2×2.5mm   for Consumer Products
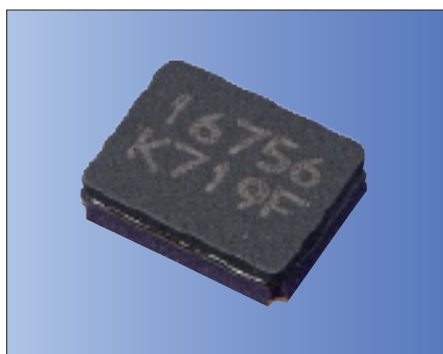
Features

- 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

RoHS Compliant

How to Order

CX3225GB 27000 ☐☐ ☐ ☐ ☐ ☐☐
    ①   ②   ③ ④ ⑤ ⑥ ⑦

① Series
② Frequency
③ Load Capacitance
④ Frequency Tolerance

B0	6 pF		H	±20×10⁻⁶
D0	8 pF			
F0	10 pF			

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EQ	−10 to +70°C	±30×10⁻⁶

⑦ Individual Specification

Packaging (Tape & Reel 3000/ 1000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	9800 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Tolerance	f_{tol}	±20	×10⁻⁶	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	µW	
Operating Temp. Range	T_{use}	−10 to +70	°C	
Storage Temp. Range	T_{stg}	−40 to +85	°C	
Frequency Temp. Characteristics	f_{tem}	±30	×10⁻⁶	Freq. deviation from the value at 25°C

• Please contact us for other specifications.
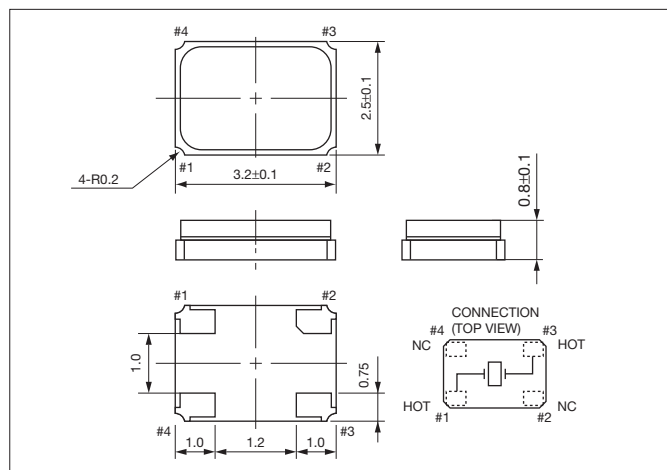
Table1 Motional Series Resistance

Frequency Range	Motional Series Resistance
9800≤f_{nom}<12000kHz	200Ω max.
12000≤f_{nom}<13000kHz	150Ω max.
13000≤f_{nom}<14000kHz	100Ω max.
14000≤f_{nom}<20000kHz	80Ω max.
20000≤f_{nom}<27000kHz	60Ω max.
27000≤f_{nom}≤54000kHz	50Ω max.

Table2 Level of Drive

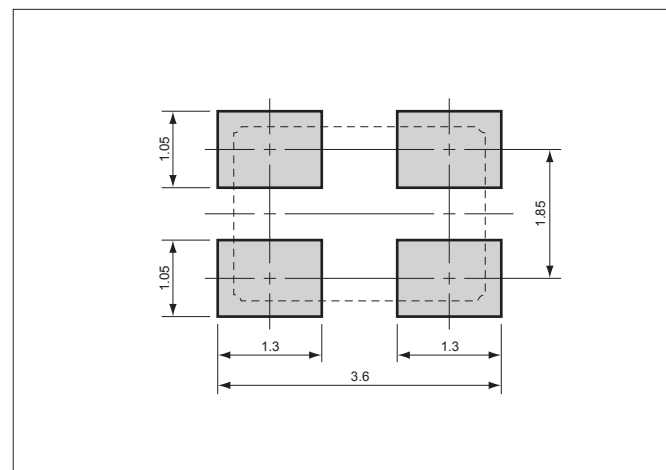| Frequency Range	Level of Drive
9800≤f_{nom}≤54000kHz	10µW (100µW max.)

Dimensions

(Unit: mm)

Recommended Land Pattern

(Unit: mm)

Mouser Electronics

Authorized Distributor

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

AVX:

CX3225GB10000D0HEQZ1 CX3225GB12000D0HEQZ1 CX3225GB14318D0HEQZ1 CX3225GB16000D0HEQZ1
CX3225GB20000D0HEQZ1 CX3225GB24000D0HEQZ1 CX3225GB25000D0HEQZ1 CX3225GB27000D0HEQZ1
CX3225GB32000D0HEQZ1 CX3225GB40000D0HEQZ1 CX3225GB48000D0HEQZ1 CX3225GB10000D0HPQZ1
CX3225GB12000D0HPQZ1 CX3225GB14318D0HPQZ1 CX3225GB16000D0HPQZ1 CX3225GB20000D0HPQZ1
CX3225GB24000D0HPQZ1 CX3225GB25000D0HPQZ1 CX3225GB27000D0HPQZ1 CX3225GB32000D0HPQZ1
CX3225GB40000D0HPQZ1 CX3225GB48000D0HPQZ1 CX3225GB11059R0HPQ01 CX3225GB16000H0HPQZ1
CX3225GB22579D0HPQZ1 CX3225GB22579D0HEQZ1 CX3225GB30000D0HPQZ1 CX3225GB19200D0HEQZ1
CX3225GB19200D0HPQZ1 CX3225GB14745D0HEQZ1 CX3225GB38400D0HPQZ1 CX3225GB24576D0HEQZ1
CX3225GB14745D0HPQZ1 CX3225GB30000D0HEQZ1 CX3225GB10000P0HPQZ1 CX3225GB12000P0HPQZ1
CX3225GB12288P0HPQZ1 CX3225GB13000P0HPQZ1 CX3225GB13560P0HPQZ1 CX3225GB14318P0HPQZ1
CX3225GB14745P0HPQZ1 CX3225GB16000P0HPQZ1 CX3225GB16384P0HPQZ1 CX3225GB18432P0HPQZ1
CX3225GB19200P0HPQZ1 CX3225GB20000P0HPQZ1 CX3225GB22579P0HPQZ1 CX3225GB24000P0HPQZ1
CX3225GB24576P0HPQZ1 CX3225GB25000P0HPQZ1 CX3225GB27000P0HPQZ1 CX3225GB27120P0HPQZ1
CX3225GB30000P0HPQZ1 CX3225GB32000P0HPQZ1 CX3225GB33333P0HPQZ1 CX3225GB36000P0HPQZ1
CX3225GB38400P0HPQZ1 CX3225GB40000P0HPQZ1 CX3225GB48000P0HPQZ1 CX3225GB50000P0HPQZ1
CX3225GB54000P0HPQZ1 CX3225GB24576D0HEQCC CX3225GB19200D0HEQCC CX3225GB18432P0HPQCC
CX3225GB20000D0HEQCC CX3225GB30000D0HPQCC CX3225GB38400P0HPQCC CX3225GB40000D0HPQCC
CX3225GB14745P0HPQCC CX3225GB48000P0HPQCC CX3225GB22579P0HPQCC CX3225GB36000P0HPQCC
CX3225GB48000D0HPQCC CX3225GB16000P0HPQCC CX3225GB32000D0HPQCC CX3225GB27000P0HPQCC
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CX3225GB16384P0HPQCC CX3225GB18432D0HEQCC CX3225GB14745D0HPQCC CX3225GB27000D0HPQCC
CX3225GB13000P0HPQCC CX3225GB25000D0HEQCC CX3225GB14745D0HEQCC CX3225GB18432D0HPQCC
CX3225GB19200D0HPQCC CX3225GB38400D0HEQCC CX3225GB19200P0HPQCC CX3225GB33333D0HEQCC