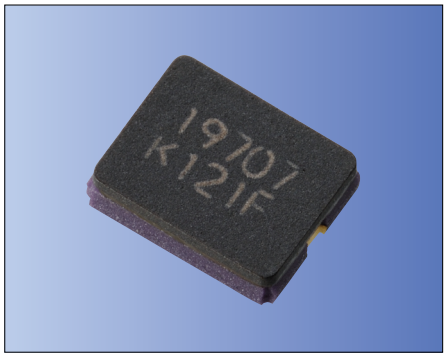
3.2×2.5mm for Automotive



AEC-Q200 RoHS Compliant

Features

- Crystal unit for automotive electronics
- Improved solderability
- Small and low profile (3.2×2.5×0.85mm)
- Ceramic package
- Reflow compatible
- Acceptable heat cycle solder junction for 3000 cycles (−40 to +125°C)

Applications

- ECU
- TPMS
- High-Speed Automotive Network

How to Order

CX3225GA 16000 D0 P T V □□
① ② ③ ④ ⑤ ⑥ ⑦

①Series
②Frequency
③Load Capacitance
④Frequency Tolerance

D0	8 pF	P	±50×10^{-6}

⑤Operating Temp. Range ⑥Frequency Temp. Stability

TV	−40 to +150°C	±150×10^{-6}

⑦Individual Specification

Packaging (Tape & Reel 3000 pcs./ reel)

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f_{nom}	8 / 12 / 16 / 20 / 25 / 40	MHz	Please contact us for other frequency range.
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f_{tol}	±50	×10^{-6}	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10μW(200μW max.)	μW	
Operating Temp. Range	T_{use}	−40 to +150	°C	
Storage Temp. Range	T_{stg}	−40 to +150	°C	
Frequency Temp. Characteristics	f_{tem}	±150	×10^{-6}	Freq. deviation from the value at 25°C

Please contact us for other specifications.

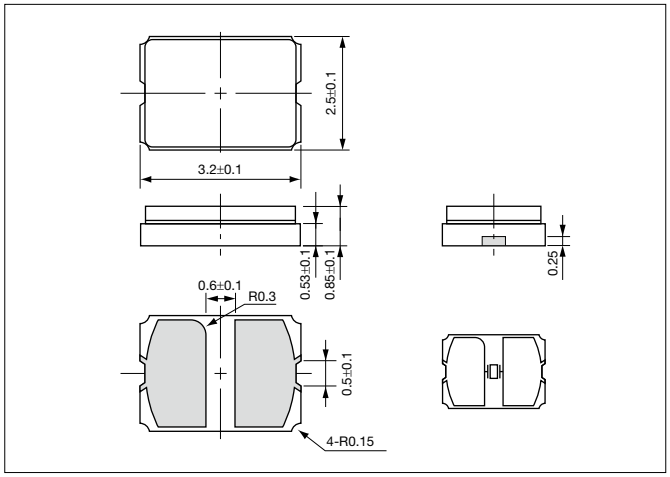
Table 1 Motional Series Resistance

Please contact us for other frequency range.

Frequency	Motional Series Resistance
8MHz	500 Ω max.
12MHz	200 Ω max.
20MHz	100 Ω max.

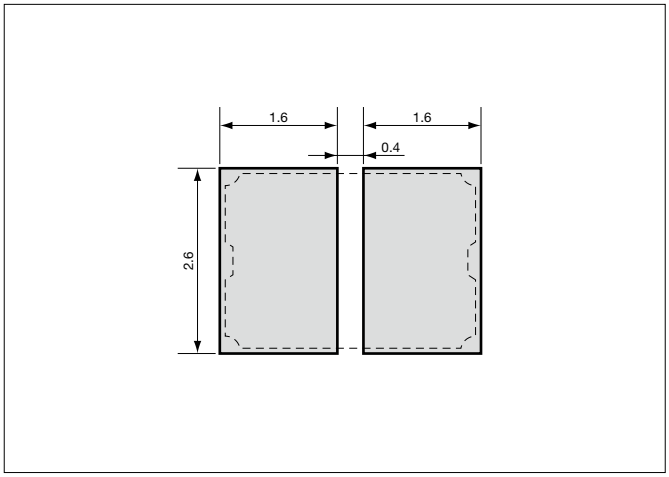
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Crystal Units

As of October 2023

Downloaded from Arrow.com.