

3.2×2.5mm for Automotive



Features

- Crystal unit for automotive electronics
- Small and low profile (3.2×2.5×0.80mm)
- Ceramic package
- Reflow compatible
- AEC-Q200 qualified

Applications

- ECU
- High-Speed Automotive Network

How to Order

CX3225CA 16000 DO P S V CC **3 4 5 6 7** 1) Series ② Frequency 3 Load Capacitance 4 Frequency Tolerance D0 8 pF Р ±50×10⁻⁶ (5) Operating Temp. Range (6) Frequency Temp. Stability -40 to +125°C ±150×10⁻⁶

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

Packaging (Tape & Reel 3000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_nom	12000 to 54000	kHz	
Overtone Order	ОТ	Fundamental	_	
Load Capacitance	CL	8	рF	Please contact us for other Load Capacitance.
Frequency Tolerance	f_tol	±50	×10 ⁻⁶	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T_use	-40 to +125	°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.

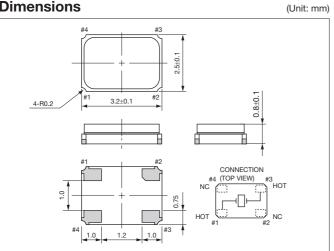
Table1 Motional Series Resistance

Frequency Range	Motional Series Resistance
12000≤f_nom<13560kHz	200Ω max.
13560≤f_nom<16000kHz	120 Ω max.
16000≤f_nom≤54000kHz	100Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
12000≤f_nom≤54000kHz	10μW (200μW max.)

Dimensions



Recommended Land Pattern



