



2.5×2.0mm for Consumer Products/ Mobile Communications



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- Mobile Communications, Bluetooth®, Wireless LAN

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How to Order

CX2520DB 27000 D0 G □ J CC
① ② ③ ④ ⑤ ⑥ ⑦

①Series

②Frequency

③Load Capacitance

④Frequency Tolerance

D0 8 pF G $\pm 15 \times 10^{-6}$

⑤Operating Temp. Range ⑥Frequency Temp. Stability

EJ -10 to +70°C $\pm 15 \times 10^{-6}$
LN -30 to +85°C $\pm 25 \times 10^{-6}$

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

Packaging (Tape & Reel 1000/ 3000/ 12000 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}	± 15	$\times 10^{-6}$	25°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 -30 to +85	$^\circ\text{C}$	
Storage Temp. Range	T_{stg}	-40 to +85	$^\circ\text{C}$	
Frequency Temp. Characteristics	f_{tem}	± 15	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table 1 Motional Series Resistance

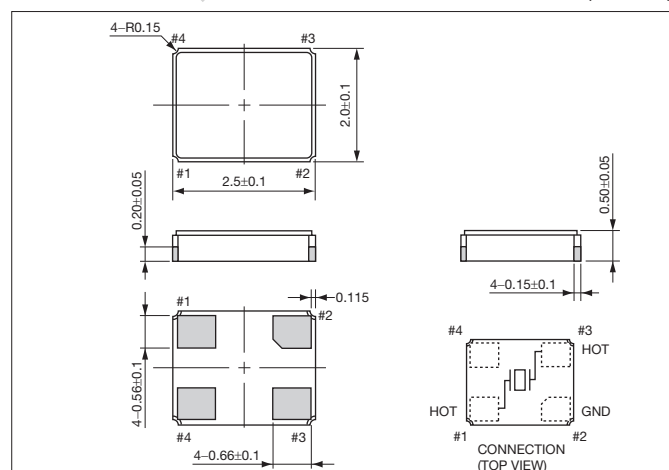
Frequency Range	Motional Series Resistance
$12000 \leq f_{nom} < 16000\text{kHz}$	150 Ω max.
$16000 \leq f_{nom} < 26000\text{kHz}$	80 Ω max.
$26000 \leq f_{nom} < 30000\text{kHz}$	60 Ω max.
$30000 \leq f_{nom} \leq 54000\text{kHz}$	50 Ω max.

Table 2 Level of Drive

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

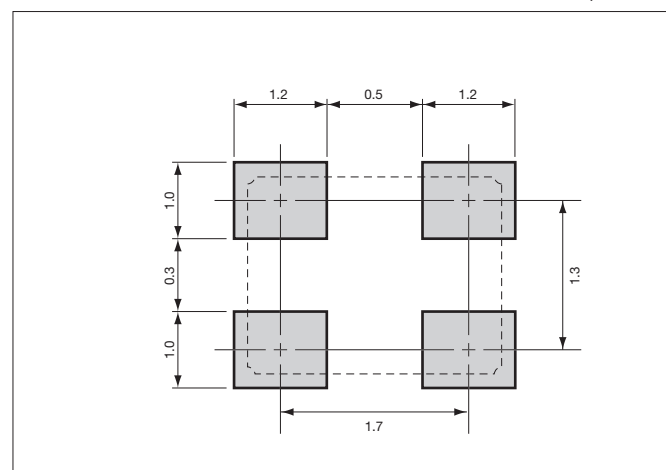
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



As of December 2019