

Crystal Units

Surface Mount Type CX2520DB



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 ☐ ☐ ☐ ☐ ☐ ☐ ☐

- ① Series ② Frequency ③ Load Capacitance ④ Frequency Tolerance
- | | | | |
|----|------|---|-------------------------|
| B0 | 6 pF | G | $\pm 15 \times 10^{-6}$ |
| D0 | 8 pF | | |
- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
- | | | |
|----|--------------|-------------------------|
| EJ | -10 to +70°C | $\pm 15 \times 10^{-6}$ |
|----|--------------|-------------------------|
- ⑦ Individual Specification

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

Specifications

Item	Symbol	Specification	Units	Remarks
Series	—	CX2520DB	—	
Frequency Range	f _{nom}	12000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Tolerance	f _{tol}	± 15 ± 10	$\times 10^{-6}$	25°C ± 3 °C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μ W	
Operating Temp. Range	T _{use}	-10 to +70 -30 to +85	°C	
Storage Temp. Range	T _{stg}	-40 to +85	°C	
Frequency Temp. Characteristics	f _{tem}	± 15	$\times 10^{-6}$	Freq. deviation from the value at 25°C

• Please contact us for other specifications.

Table1 Motional Series Resistance

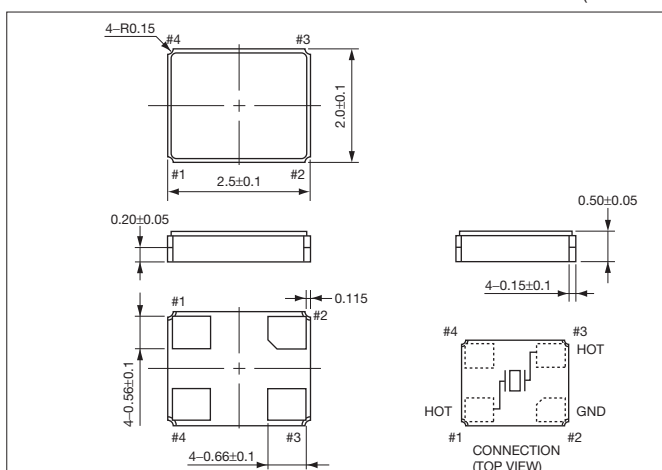
Frequency Range	Motional Series Resistance
12000≤f _{nom} <16000kHz	150Ω max.
16000≤f _{nom} <26000kHz	80Ω max.
26000≤f _{nom} <30000kHz	60Ω max.
30000≤f _{nom} ≤54000kHz	50Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
12000≤f _{nom} ≤54000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

