



Distributor of AVX Corporation: Excellent Integrated System Limited

Datasheet of CX2520SB13560D0GEJCC - Crystal 13.5600MHz 15ppm 8pF 150 Ohm -10°C - 70°C Surface Mount 4-SMD, No Lead (DFN, LCC)

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Excellent Integrated System Limited

Stocking Distributor

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[CX2520SB13560D0GEJCC](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

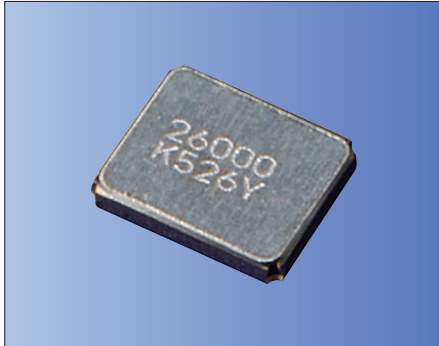
Crystal Units

Surface Mount Type CX2520SB

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2.5×2.0mm for Consumer Products



Pb Free

RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.5×2.0×0.45mm)
- Ceramic package
- A lead free product
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

How to Order

CX2520SB 13560

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency
 ③ Load Capacitance ④ Frequency Stability

| | | | | | |
|----|------|------|---|----------------------|------|
| B0 | 6 pF | — | P | ±50×10 ⁻⁶ | Std. |
| DO | 8 pF | Std. | | | |

- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

| | | | |
|----|--------------|----------------------|------|
| ES | -10 to +70°C | ±50×10 ⁻⁶ | Std. |
|----|--------------|----------------------|------|

- ⑦ Individual Specification... Std.Spec. as "ZZ"

Specifications

| Item | Symbol | Specification | Units | Remarks |
|---------------------------------|------------------|----------------|-------------------|--|
| Frequency Range | f _{nom} | 13560 to 60000 | kHz | |
| Overtone Order | OT | Fundamental | — | |
| Load Capacitance | CL | 8 | pF | |
| Frequency Stability | f _{tol} | ±50 | ×10 ⁻⁶ | @ 25°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} | ±50 | ×10 ⁻⁶ | ref. @ 25°C over operating temperature range |

* Please contact us for other specifications.

Typical Frequencies and Part Numbers

| Frequency (kHz) | Standard Part Number |
|-----------------|----------------------|
| 13560.000 | CX2520SB13560D0PESZZ |
| 16000.000 | CX2520SB16000D0PESZZ |
| 18000.000 | CX2520SB18000D0PESZZ |
| 20000.000 | CX2520SB20000D0PESZZ |
| 24000.000 | CX2520SB24000D0PESZZ |
| 26000.000 | CX2520SB26000D0PESZZ |
| 27000.000 | CX2520SB27000D0PESZZ |
| 27120.000 | CX2520SB27120D0PESZZ |
| 30000.000 | CX2520SB30000D0PESZZ |
| 32000.000 | CX2520SB32000D0PESZZ |
| 33000.000 | CX2520SB33000D0PESZZ |
| 33333.000 | CX2520SB33333D0PESZZ |
| 40000.000 | CX2520SB40000D0PESZZ |
| 48000.000 | CX2520SB48000D0PESZZ |
| 54000.000 | CX2520SB54000D0PESZZ |

Table1 Motional Series Resistance

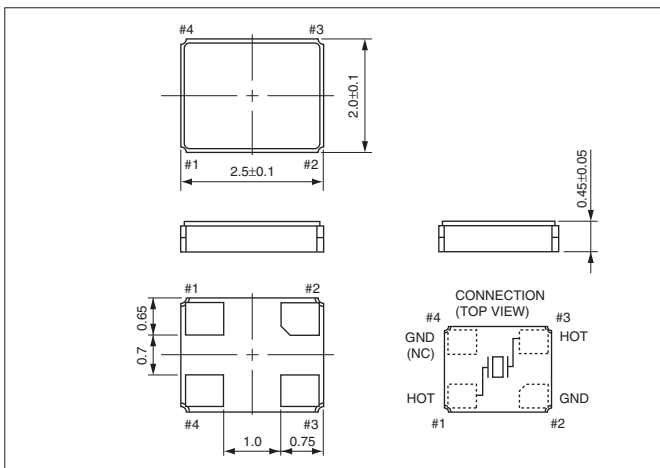
| Frequency Range | Motional Series Resistance | Units |
|-------------------|----------------------------|-------|
| 13560 to 15999kHz | 300 max. | ohm |
| 16000 to 19999kHz | 150 max. | |
| 20000 to 39999kHz | 100 max. | |
| 40000 to 60000kHz | 50 max. | |

Table2 Level of Drive

| Frequency Range | Drive Level | Units |
|-------------------|---------------|-------|
| 13560 to 60000kHz | 10 (100 max.) | μW |

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

