

CENTURACORES

Nanocrystalline Transformer Cores

<https://centuracores.com/products/ccnc-19-24-83-35-63p5-122-002-mfgr/>

Product datasheet: CCNC-19-24-83-35-63P5-122-002-MFGR

Product information

Nanocrystalline cut core 19x24x83x35x63.5x122x2 mm

Finish: Green Epoxy

CCNC-19-24-83-35-63P5-122-002-MFGR is a 19x24x83x35x63.5x122x2 mm nanocrystalline cut core for solar string/central inverter reactors, EV charging station reactors, and industrial motor-drive DC chokes. The 19x24 mm limb and 83 mm window length suit bobbin or form-wound coils where an openable core simplifies assembly. Choose this size when Ae, window, and overall length (122 mm) match the target inductor or reactor duty.

Bare core dimensions

Magnetic properties

Effective area Ae: 6.12 cm²

Mean path length Le: 26.7 cm

AL @ 1kHz, 2mT: 400 uH/T²

AL @ 10kHz, 2mT: 200 uH/T²

AL @ 100kHz, 2mT: 35 uH/T²

Saturation Bs: 1.25 Tesla

Initial permeability ui: 80000

Curie temperature: 560 C

Operating temperature: -40 deg C to +130 deg C

Net weight: 1060 g

Applications

- solar string/central inverter reactors
- EV charging station reactors
- industrial motor-drive DC chokes
- UPS output reactors
- high-power EV fast-charging station reactors (typically 10–30kW+ per module class)
- solar central/string inverter output filters
- commercial UPS DC-link chokes
- heavy industrial motor-drive reactors
- high-power traction converter chokes