



## CCNOV-086-096-101-111-020-STBN

Nanocrystalline oval core 86x96x101x111x20 mm

| DIMENSIONS |      |      |      |      |   |
|------------|------|------|------|------|---|
| Dimension  | ID A | ID B | OD A | OD B | H |

|            |    |    |     |     |    |
|------------|----|----|-----|-----|----|
| Bare (mm)  | 86 | 96 | 101 | 111 | 20 |
| Cased (mm) | 84 | 94 | 103 | 112 | 21 |

Finished tolerance: TYP  
The part number uses the bare dimensions.

| CORE PROPERTIES |                |          |        |
|-----------------|----------------|----------|--------|
| $A_{Fe}$        | —              | $L_{Fe}$ | —      |
| $B_s$           | 1.25 T         | $\mu_i$  | 80,000 |
| Working temp    | —40°C – +130°C | Curie    | 560 °C |
| Casing          | Crepe tape     | Weight   | 300 g  |

| INDUCTANCE FACTOR $AL$ ( $\mu H/N^2$ ) |  |
|----------------------------------------|--|
| —                                      |  |
| (μH/N²)                                |  |
| —                                      |  |

**DESIGN NOTE**  
AL, Ae, and Le were not measured on this core. Size the winding from the published bare geometry. Use the bare dimensions for the magnetic path and the finished dimensions, when published, for winding clearance. Keep peak flux within 1.25 T. The core is tape wrapped; keep continuous duty within the wrap rating.

**RECOMMENDED USAGE**  
Common-Mode Chokes | Flat EMI Filters | Cable-Bundle Filters

**DIY AND R&D**  
Diy Oval Choke Winding | Benchtop EMI Experiments | Low-Profile Filter Prototypes

**TECHNICAL APPLICATIONS**  
Stretched-Window Common-Mode Chokes | Cable-Bundle EMI Filters | Low-Profile Line Filters

| DOCUMENT CONTROL |             |            |            |
|------------------|-------------|------------|------------|
| Author           | Created     | Approver   | Approved   |
| Aditya R.        | 23 Jul 2026 | Mahavir S. | 2 Aug 2026 |