



CCNT-086-077-010-STBK

Nanocrystalline toroidal core 86x77x10 mm

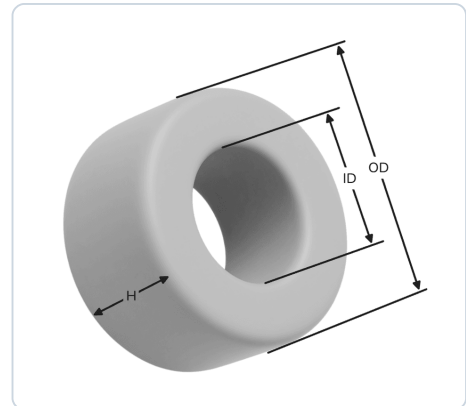
DIMENSIONS

Parameter	Bare (mm)	Cased (mm)
Outside diameter (OD)	86	90
Inside diameter (ID)	77	74
Height (H)	10	14.5

Dimensions Summary: Bare OD 86mm x ID 77mm x H 10mm; Cased OD 90mm x ID 74mm x H 14.5mm

Finished tolerance: TYP

Case marking uses bare core dimensions.



CORE PROPERTIES

A_{Fe}	—	L_{Fe}	—	B_s	1.25 T	μ_i	80,000
Working temp	−40°C – +130°C	Curie	560 °C	Casing	PBT Class B 130C	Weight	85 g

INDUCTANCE FACTOR AL ($\mu H/N^2$)

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($\mu H/N^2$)

DESIGN NOTE

AL, Ae, and Le were not measured on this core. Size the winding from the published bare geometry. Size the winding to the finished inside diameter when it is published, not the bare ID. Keep peak flux within 1.25 T and continuous case temperature within the PBT Class B 130°C rating.

RECOMMENDED USAGE

Current Transformers | Ground-Fault Sensing | EMI Chokes

DIY AND R&D

Diy Current-Transformer Winding | Benchtop Leakage-Current Experiments

TECHNICAL APPLICATIONS

Protection and Metering Current Transformers | Residual-Current Sensing | Common-Mode Chokes

DOCUMENT CONTROL

Author	Created	Approver	Approved
Aditya R. CCNT-086-077-010-STBK	31 May 2026	Mahavir S.	23 Jun 2026

<https://centuracores.com/products/ccnt-086-077-010-stbk/>

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