



CCNT-087-055-013P5-STBL

Nanocrystalline toroidal core 87x55x13.5 mm

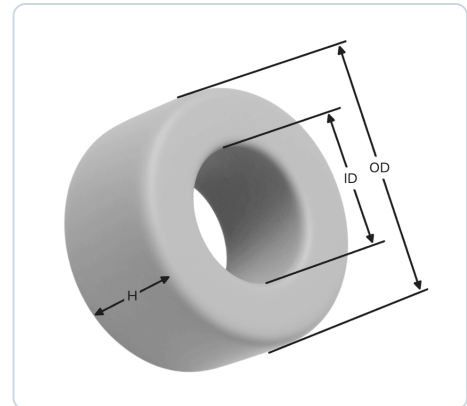
DIMENSIONS

Parameter	Bare (mm)	Cased (mm)
Outside diameter (OD)	87	88
Inside diameter (ID)	55	54.5
Height (H)	13.5	14.5

Dimensions Summary: Bare OD 87mm x ID 55mm x H 13.5mm; Cased OD 88mm x ID 54.5mm 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	Powder Coating	Weight	295 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. The finish is powder coating; keep continuous duty within the coating rating.

RECOMMENDED USAGE

EMI Filter Chokes | Common-Mode Chokes | Inverter Filters

DIY AND R&D

Diy Common-Mode Choke Winding | Benchtop EMI Filter Testing

TECHNICAL APPLICATIONS

Mid-Power Common-Mode EMI Chokes | Inverter Input Filters | Line Filter Cores

DOCUMENT CONTROL

Author	Created	Approver	Approved
Aditya R.	16 Mar 2026	Manavir S.	11 Apr 2026

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<https://www.centuracores.com/products/ccnt-087-055-013p5-stbl/>

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