



CCNRT-055P5-165P5-065P5-175P5-015-STBK

Nanocrystalline race track core 55.5x165.5x65.5x175.5x15 mm

DIMENSIONS					
Dimension	ID A	ID B	OD A	OD B	H

Bare (mm)	55.5	165.5	65.5	175.5	15
Cased (mm)	53.5	163.5	67.5	177.5	16

Finished tolerance: TYP
The part number uses the bare 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	Weight
		Crepe tape and electrical tape	185 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 | EMI Line Filters | Cable-Bundle Filters

DIY AND R&D
Diy Common-Mode Choke Builds | Benchtop EMI Filter Experiments | Large-Window Choke Prototyping

TECHNICAL APPLICATIONS
Common-Mode EMI Filter Chokes | Inverter Input Filters | Low-Profile Cable Chokes

DOCUMENT CONTROL			
Author	Created	Approver	Approved
Aditya R.	27 Apr 2026	Mahavir S.	22 May 2026