



CCNRE-049-153-057-161-012-STBN

Nanocrystalline rectangular core 49x153x57x161x12 mm

DIMENSIONS

Dimension	ID A	ID B	OD A	OD B	H
Bare (mm)	49	153	57	161	12
Cased (mm)	48	152	58	162	13

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	Crepe tape	Weight	88 g

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

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 | Busbar Filters | Low-Profile EMI Filters

DIY AND R&D
Diy Rectangular Choke Builds | Benchtop EMI Filter Experiments

TECHNICAL APPLICATIONS
Low-Profile Common-Mode Chokes | Busbar EMI Filters | Flat-Cable Line Filters

DOCUMENT CONTROL

Author	Created	Approver	Approved
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