



CCNRE-048-050-068-070-030-STBN

Nanocrystalline rectangular core 48x50x68x70x30 mm

DIMENSIONS					
Dimension	ID A	ID B	OD A	OD B	H
Bare (mm)	48	50	68	70	30
Cased (mm)	—	—	—	—	—

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	305 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 | Compact Power Filters | Current Sensing

DIY AND R&D
Diy Choke Winding | Benchtop Filter Prototypes

TECHNICAL APPLICATIONS
Compact Common-Mode Chokes | Low-Power Line Filters | Sensing Transformers

DOCUMENT CONTROL			
Author	Created	Approver	Approved
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