

Specification for 120A (rated) DC immune Core

1. Core Description:-

Combination of Toroidal core, one amorphous core and one nano core, both placed in one housing for 120A (rated) DC immune CT.

2. Details of Toroidal core 1 :

Size Description:-

Core In mm with tolerance

OD	30.4 ± 0.2
ID	24.2 ± 0.2
Height	8 ± 0.1

Material Grade: Amorphous core (Iron Based)

Magnetic Properties: - Initial permeability: 1250 ± 150 at 1 KHz Frequency and $U=1V$

3. Details of Toroidal core 2 :

Size Description:-

Core In mm with tolerance

OD	23.5 ± 0.2
ID	20 ± 0.2
Height	8 ± 0.1

Material Grade: Nano crystalline (Iron Based)

Magnetic Properties: - Initial permeability: 84000 at 50 Hz frequency (Minimum)

Coercivity: 0.8 mA/cm(Maximum)

4. Outer housing dimension in mm with tolerance:

OD	32.8 ± 0.2
ID	18.0 ± 0.2
Height	10 ± 0.1

Casing material: PBT resin +Glass 5% (Note: Both the cores will be positioned in above housing.)