

## Specification for Soft Magnetic Cores

Date:

Customer:

Aug-2021

Part NO:

NL-P805020

Spec No:

H4014

Core:

80×50×20

REV.00

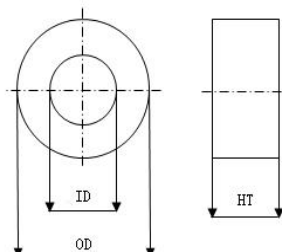
### Power Transformer Cores

#### Bare Dimensions (in mm) :

OD: 79.0 ± 1

ID: 51.5 ± 0.5

Ht: 20.0 ± 0.2



#### Finished Dimensions(in mm):

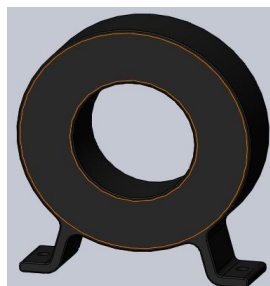
OD: 85.0 ± 1

ID: 44.0 ± 1

Ht: 24.0 ± 1

Bores: 5.0 ± 0.5

Distance: 72.0 ± 1



**Core Material:**Nanocrystalline

**Type of Finish:** Plastic Casing

**Rohs Directive**

#### Rated Dimensions:

$A_{Fe}$ : 2.16 cm<sup>2</sup>

$L_{Fe}$ : 20.4 cm

$M_{Fe}$ : 317 ± 40 g

#### Characteristics:

1 Setting values: 20KHz,0.5T N1:N2=1:1

Specified value;  $P_s \leq 30W/Kg$   $Br \leq 0.28T$

Testing device: LINKJOIN MATS-3010SA

2 Setting values: 1KHz,0.3V N=1

Specified value;  $AL \leq 61 \mu H$

Testing device: Tonghui TH2826A LCR Meter

Nanocrystalline material :1K107B

Saturation flux density  $B_s \geq 1.25T$

Permeability level  $\mu$ : 30000 @ 1 KHz



# Hero Magnetic Development Co.,Ltd

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REV.00

Operation Temperature range: -40°C~+130°C

Final inspection: 100% tested AQL:1,5 GB2828II

Comments: Rohs compliant

### Change records

PS Index	PS Revision	Content	Reason	Date	Changing	Approval
01	00	AS Spec.	Initial Release	2021.8.7	HaiYan Ding	Hanson
DRAWN		CHECKED		RECHECKED		APPROVED
HaiYan Ding		LiJun Sun		David		Hanson