

## Specification for Soft Magnetic Cores

Date:

Customer:

Aug-2021

|          |             |          |       |       |           |        |
|----------|-------------|----------|-------|-------|-----------|--------|
| Part NO: | NL-P1308050 | Spec No: | H4033 | Core: | 130×80×50 | REV.00 |
|----------|-------------|----------|-------|-------|-----------|--------|

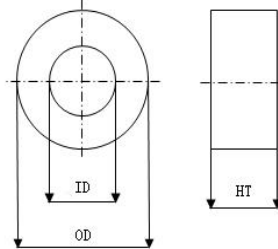
### Power Transformer Cores

#### Bare Dimensions (in mm) :

OD: 129.0 ± 1

ID: 82.5 ± 0.5

Ht: 50.0 ± 0.2



#### Finished Dimensions(in mm):

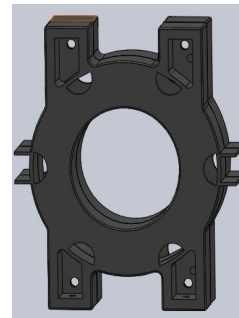
OD: 135.0 ± 1

ID: 76.0 ± 1

Ht: 55.0 ± 1

Bores: 6.0 ± 0.5

Distance: 80.5\*35.5± 1



**Core Material:**Nanocrystalline

**Type of Finish:** Plastic Casing

**Rohs Directive**

#### Rated Dimensions:

$A_{Fe}$ : 9.37 cm<sup>2</sup>

$L_{Fe}$ : 33.0 cm

$M_{Fe}$ : 2060 ± 60 g

#### Characteristics:

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

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

Testing device: LINKJOIN MATS-3010SA

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

Specified value;  $AL \leq 156 \mu H$

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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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   |