

Specification for Soft Magnetic Cores

Date:

Customer:

Aug-2021

Part NO:

NL-P503220

Spec No:

H4003

Core:

50×32×20

REV.00

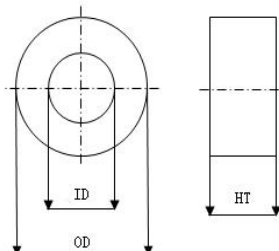
Power Transformer Cores

Bare Dimensions (in mm) :

OD: 49.5 ± 1

ID: 31.5 ± 0.5

H t: 20.0 ± 0.2

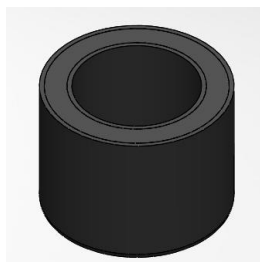


Finished Dimensions(in mm):

OD: 53.0 ± 1

ID: 28.0 ± 1

H t: 24.0 ± 1



Core Material:Nanocrystalline

Type of Finish: Plastic Casing

Rohs Directive

Rated Dimensions:

A_{Fe} : 1.30 cm²

L_{Fe} : 12.9 cm

M_{Fe} : 125 ± 10 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; $AL \leq 60 \mu H$

Testing device: Tonghui TH2826A LCR Meter

Nanocrystalline material :1K107B

Saturation flux density $B_s \geq 1.25T$

Permeability level μ : 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 |