

## Specification for Soft Magnetic Cores

Date:  
May.2021

Customer:

page 1

Part NO:

NO 504020M

Spec No:

H3044

REV.00

**Core design: CMC cores**

**Bare Dimensions (in mm) :**

OD×ID×Ht: 50×40×20

**Finished Dimensions(in mm):**

OD: 53,8 Max

ID: 36,9 Min

H t: 23,3 Max

**Core Material:Nanocrystalline**

**Type of Finish:** Plastic Casing

**Rohs Directive**

**Rated Dimensions:**

$A_{Fe}$ : 0,75 cm<sup>2</sup>

$L_{Fe}$ : 14,1 cm

$M_{Fe}$ : 76,3 g

**Characteristics:**

1 Setting values: 10KHz,20mA N=1

Specified valu 10,2  $\mu$ H  $\leq AL \leq$  17  $\mu$ H

2 Setting values: 100KHz,20mA N=1

Specified valu 7,6  $\mu$ H  $\leq AL \leq$  15,1  $\mu$ H

Testing device: Tonghui TH2826A LCR Meter

Nanocrystalline material :1K107B

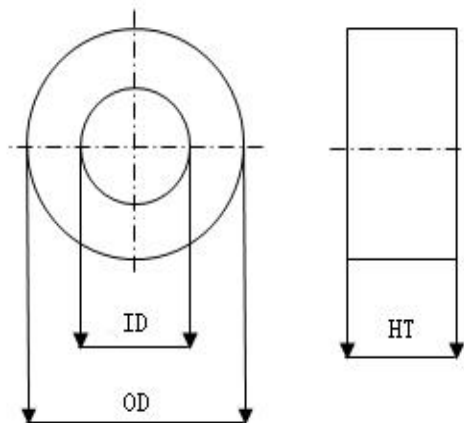
Saturation flux density  $B_s \geq 1,25T$

Permeability level  $\mu$ : 17500 @10KHz

Operation Temperature range: -40°C~+150°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	2021.5.6	HaiYan Ding	Hanson
DRAWN		CHECKED		RECHECKED		APPROVED
HaiYan Ding		LiJun Sun		David		Hanson