

Specification for Soft Magnetic Cores

Date:
May.2021

Customer:

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Part NO:

NO 504020M

Spec No:

H3041

REV.00

Core design: CMC cores

Bare Dimensions (in mm) :

OD×ID×Ht: 50×40×20

Finished Dimensions(in mm):

OD: 52,3 Max

ID: 37,1 Min

H t: 22,8 Max

Core Material:Nanocrystalline

Type of Finish: Epoxy Coating

Rohs Directive

Rated Dimensions:

A_{Fe} : 0,75 cm²

L_{Fe} : 14,1 cm

M_{Fe} : 76,3 g

Characteristics:

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

Specified valu 8,4 μ H $\leq AL \leq$ 16,3 μ H

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

Specified valu 7,6 μ H $\leq AL \leq$ 14,7 μ H

Testing device: Tonghui TH2826A LCR Meter

Nanocrystalline material :1K107B

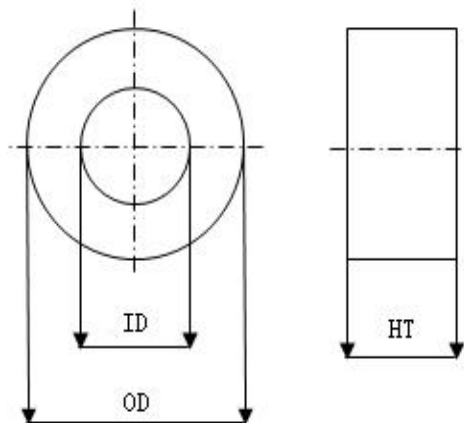
Saturation flux density $B_s \geq 1,25T$

Permeability level μ : 15000 @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 |
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| | | | | | | |
| DRAWN | | CHECKED | | RECHECKED | | APPROVED |
| HaiYan Ding | | LiJun Sun | | David | | Hanson |