

Specification for Soft Magnetic Cores

Date:
Sep.2022

Customer:

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Part NO:

NO 504020

Spec No:

H3042

REV.01

Core design: CMC cores

Bare Dimensions (in mm) :

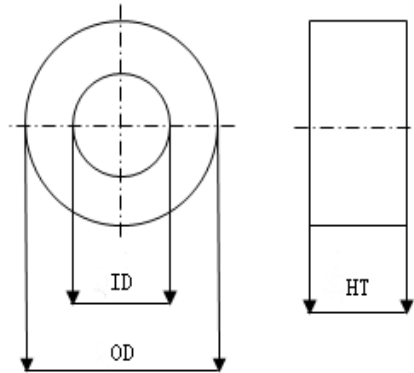
OD×ID×Ht: 50×40×20

Finished Dimensions(in mm):

OD: 54,3 Max

ID: 36,3 Min

H t: 23,4 Max



Core Material:Nanocrystalline

Type of Finish: Plastic Casing (FR52G30, Black)

Rohs Directive

Rated Dimensions:

A_{Fe} : 0,75 cm²

L_{Fe} : 14,1 cm

M_{Fe} : 76,3 g (Typ)

Characteristics:

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

Specified valu 34,1 μ H \leq AL \leq 65,8 μ H

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

Specified valu 10,2 μ H \leq AL \leq 20,4 μ H

Testing device: Tonghui TH2826A LCR Meter

Nanocrystalline material :1K107B

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

Permeability level μ : 67600 @10KHz

Operation Temperature range: -40°C ~+140°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
02	01	Change the size	Production requirement	2022.9.13	HaiYan Ding	Hanson
DRAWN		CHECKED		RECHECKED		APPROVED
HaiYan Ding		LiJun Sun		David		Hanson