

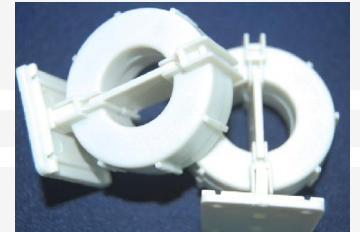
Nanocrystalline core for common mode choke

1、FEATURES

- Low core loss.
- High saturation magnetic induction B_s
- High permeability and excellent noise suppression
- Excellent frequency characteristics and according to



different band insertion loss for adjustment of the initial permeability μ_0 , the range of μ_0 is 30000~100000.

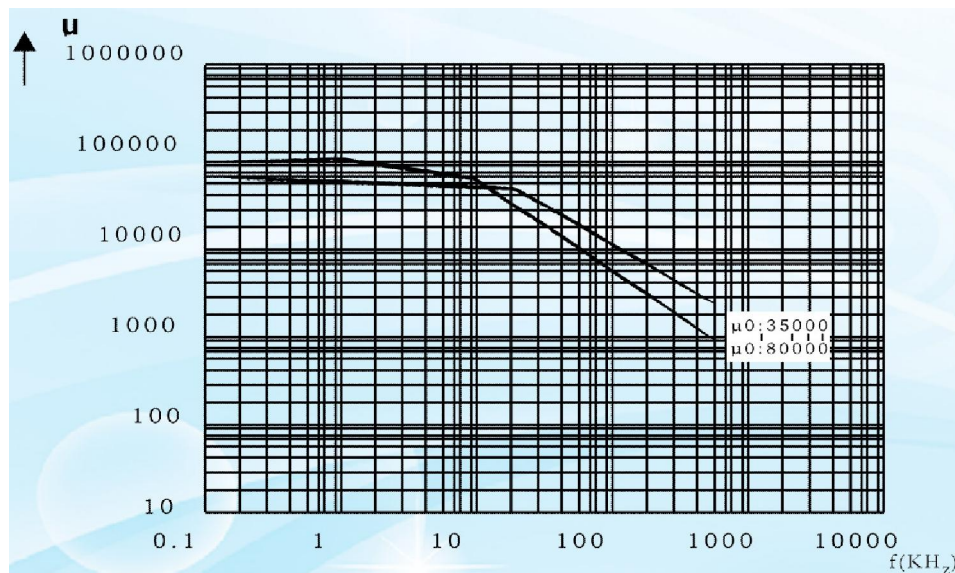


2、APPLICATIONS

- Current transformer, EMI filter, Common mode choke
- Single-phase or three phase power lines and a variety of power in the common mode filter

3、SPECIFICATIONS AND PARAMETERS

Saturation magnetic flux density B_s (T)	$\geq 1.20T$
Curie temperature ($^{\circ}C$)	≥ 570
Saturation magnetostriction ($\times 10^{-6}$)	< 2
Continuous operating temperature range	$-55\sim 130^{\circ}C$
The initial permeability μ_0	> 80000
Coercivity A/M	< 1.6
High-frequency loss P (20KHz,0.5T)	$< 25W/Kg$



The initial core of different permeability characteristics with frequency

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4、 Dimension

TYPE	Core size (mm) ID×OD×Ht	Dimension (mm) ID×OD×Ht	Inductance per turn (min) AL* (uH)
SR0040703	4.3×7.2×2.8	3.5×8.0×3.5	8
SR0071004	6.5×10×4.5	5.1×11.2×5.7	14
SR0071005	6.5×10×5.0	5.1×11.2×6.5	16
SR0081204	8.0×12×4.5	6.5×13.5×6.5	11
SR0101405	10×14×5.0	8.5×15.5×6.8	9
SR0101608	10×16×8	8.5×17.2×10	25
SR0141908	14×19×8	12.1×22.5×12.2	20
SR0122008	12×20×8	10×22.3×10.3	25
SR0162110	16×21×10	14×24.5×12.5	22
SR0162610	16×26×10	14.0×27.5×12.5	30
SR0182815	18×28×15	16.0×30.2×17.6	45
SR0203015	20×30×15	17.8×33.1×17.5	40
SR0203210	20×32×10	17.8×34×12.5	30
SR0254010	25×40×10	22.5×42.5×13.0	26
SR0254015	25×40×15	21.9×43.2×18.9	39
SR0325015	32×50×15	29.0×53.2×18.2	45
SR0325020	32×50×20	29.5×53.2×23.5	60
SR0406020	40×60×20	37×63×24	45
SR0406420	40×64×20	37×67×24	50
SR0508020	50×80×20	47×84×24	50
SR0508025	50×80×25	47×84×29	60

Test condition :f=10KHz 0.3V

PRODUCTS CAN BE MADE BY THE USERS' NEEDS