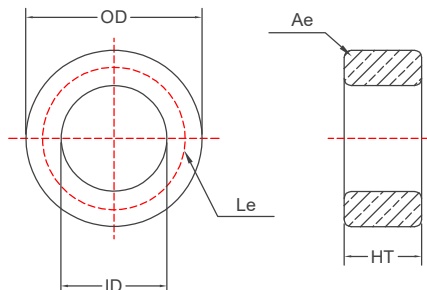


SPECIFICATION FOR APPROVAL

Material

Production:	MnZn Power Ferrite Cores
FUAN.P/N:	T20*12*6(C/P)-H6K
AL:	3677(nH/N ²)(±30%)
Material:	-H6K
Coating Color:	Green
Coating material:	C=Epoxy/P=Parylene
Coating Breakdown Voltage:	1500V,0.5mA,2Sec
Document/Rev:	00



Physical Characteristics

Before Coating			After Coating			C1(mm ⁻¹)	Le(mm)	Ae(mm ²)	Ve(mm ³)	Weight (g/pcs) (ref.)
OD(mm) ±0.40	ID(mm) ±0.40	Ht(mm) ±0.30	OD(mm) Max	ID(mm) Min	Ht(mm) Max					
20.0	12.0	6.0	21.0	11.0	7.0		48.14	23.48	1130.66	5.8

Electrical Parameters(Typical)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.50mm/1Ts, 10kHz/0.25V, I=0A (Evenly full windings)	3677nH(±30%)	HP4284A Or equivalent
	φ0.50mm/10Ts, 10kHz/0.25V, I=0A (Evenly full windings)	367.7uH(±30%)	
Remarks	Set the internal resistance of LCR meter to 100Ω.		

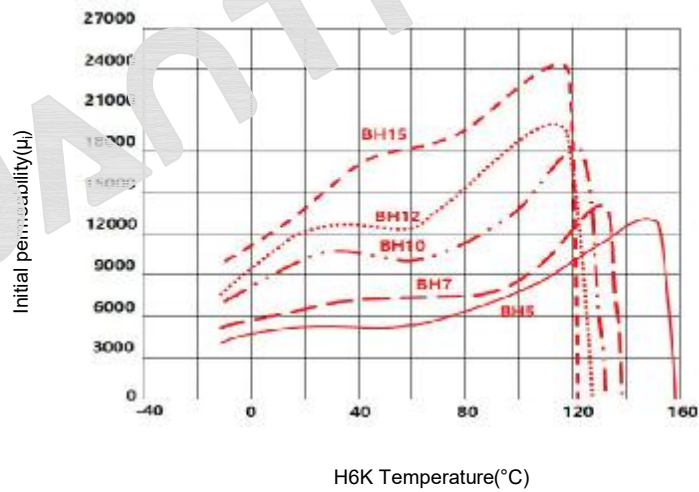
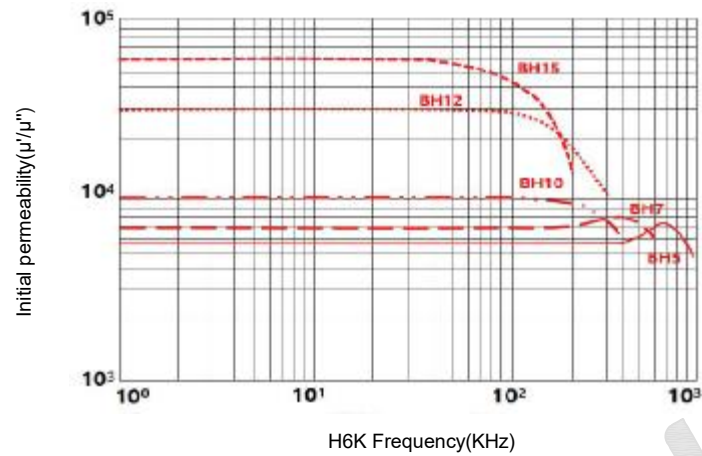
Material Characteristics

Characteristics	Conditions		Value
Initial permeability μ_i		25°C	6000±30%
Saturation Flux Density B_s (mT)	1194A/m	25°C	420
Remanent B_r (mT)		25°C	140
Relative Loss Factor $\tan\delta/\mu_i(\times 10^{-6})$			<6.5
Coercivity H_c (A/m)		25°C	8.0
Relative Temperature Coefficient $\alpha_{\mu_r}(\times 10^{-6}/^\circ\text{C})$		20°C~60°C	-0.5~2.0
Curie Temperature T_c (°C)			≥130
Electrical Resistivity $\rho(\Omega\cdot\text{m})$			0.20
Disaccommodation Factor $D_r(\times 10^{-6})$	1~10min		<3.0
Density $d(\text{kg}/\text{m}^3)$			4.8×10^3

- 1.High Initial Permeability(About 10000).
- 2.Low Relative Loss Factor.
- 3.The Initial Permeability vs Frequency Characteristic is Good.

Remark:

The value of material is characteristics are typical value,Please contact our company for more characteristics in your order or agreement.



Remark:

The above typical data are calculated from the standard toroid core. Specific performance of the product will be adjusted on this basis.