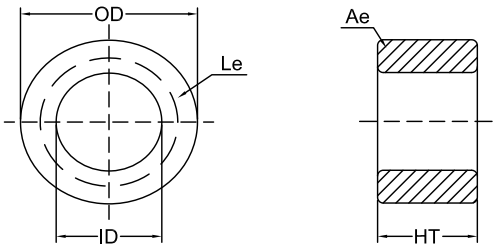
PAIRUI

SPECIFICATION FOR APPROVAL

Material

Production:	Sendust Cores
FUAN.P/N:	KS141-075A
AL:	70(nH/N²)±8%
Material:	75 μ
Coating Color:	Black
Coating material:	epoxy
Coating Breakdown Voltage: 1000V，0.5mA，2Sec	



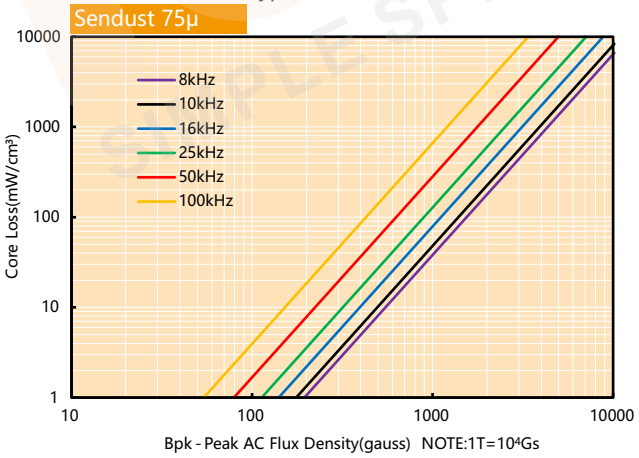
Physical Characteristics

Before Coating			After Coating			Le(cm)	Ae(cm²)	V(cm³)	W(cm²)	Weight (g) (ref.)	Box Quantity (Pieces)
OD(Max.) in/mm	ID(Min.) in/mm	Ht(Max.) in/mm	OD(Max.) mm	ID(Min.) mm	Ht(Max.) mm						
1.409 / 35.80	0.882 / 22.40	0.413 / 10.50	36.63	21.54	11.28	8.980	0.678	6.088	3.642	36.8	270

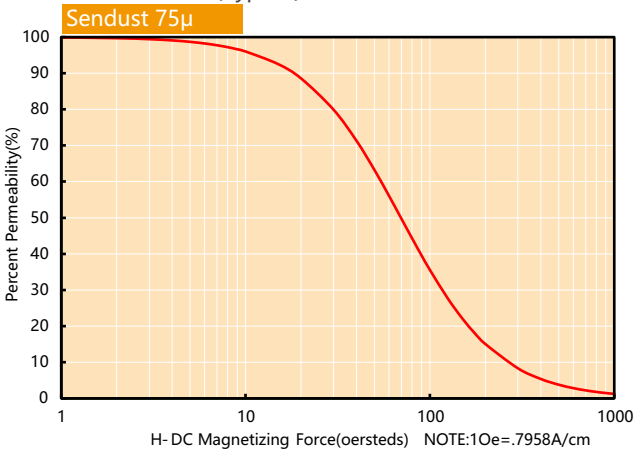
Electrical Parameters(Typical) Temperature(25℃±2℃)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.80mm/48Ts，20kHz/1V，I=0A (Evenly full windings)	161.3μH±8%	CH3302
DC-Bias	φ0.80mm/48Ts，20kHz/1V，I=7.4A(H=50Oe) (Evenly full windings)	93.5μH(Min.)	WK3255B+WK3265B
Core Loss	50kHz/1000Gs	350mW/cm³(Max.)	SY-8219
Remarks	Set the internal resistance of LCR meter to 100Ω.		

Core Loss Curves(Typical)



DC- Bias Curves(Typical)



Sendust Cores (KS Series) is made from 85% Fe, 9%Si and 6%Al. It named KoolMu by Magnetics. This material has low loss and relative high saturation flux density (10500Gs). it is very suitable for applying in PFC Chokes, Fly-back Transformers and Storage Filter Inductors. This soft magnetic material is magnetostriction is almost zero, so is special suitable for eliminating the In-line Noise Filters. Sendust Cores do not use organic binding material during the production, so it don’ t does not have the problem of Thermal Aging. It can work in the environment of 200℃ for a long time. Permeability that we can made now is 26ui-125ui in toroid , U type, E type and block. It is the best cost performance magnetic powder.