

SPECIFICATION FOR APPROVAL

Material

Production:	Sendust Cores
FUAN.P/N:	KS080-090A
AL:	49(nH/N ²)±8%
Material:	90 μ
Coating Color:	Black
Coating material:	epoxy
Coating Breakdown Voltage:	1000V, 0.5mA, 2Sec



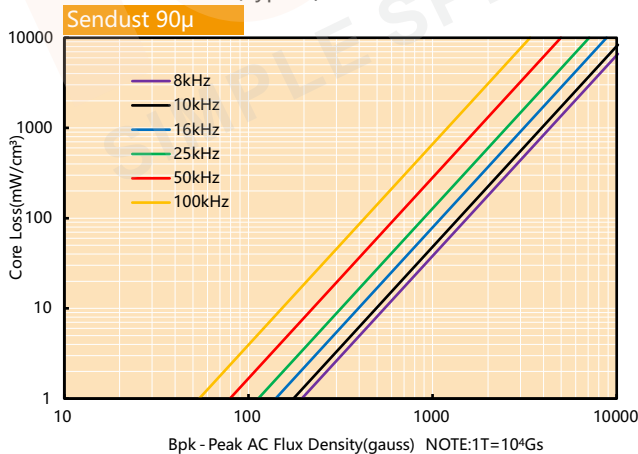
Physical Characteristics

Before Coating			After Coating			Le(cm)	Ae(cm ²)	V(cm ³)	W(cm ²)	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						
0.799 20.30	0.500 12.70	0.250 6.35	21.10	12.07	7.11	5.090	0.226	1.150	1.144	7.6	1134

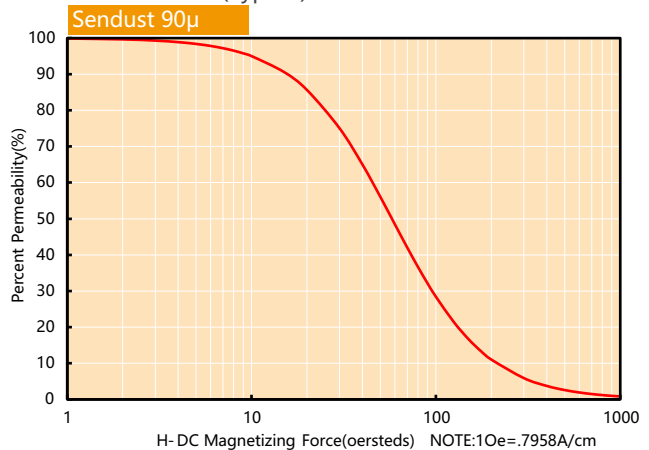
Electrical Parameters(Typical) Temperature(25°C±2°C)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.80mm/27Ts, 20kHz/1V, I=0A (Evenly full windings)	35.7μH±8%	CH3302
DC-Bias	φ0.80mm/27Ts, 20kHz/1V, I=7.5A(H=50Oe) (Evenly full windings)	18.4μH(Min.)	WK3255B+WK3265B
Core Loss	50kHz/1000Gs	350mW/cm ³ (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°C 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.