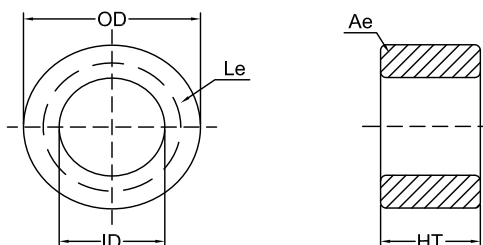


## SPECIFICATION FOR APPROVAL

### Material

Production:	Sendust Cores
FUAN.P/N:	KS130-026A-E18
AL:	47(nH/N <sup>2</sup> )±8%
Material:	26 μ
Coating Color:	Black
Coating material:	epoxy
Coating Breakdown Voltage:	1000V, 0.5mA, 2Sec



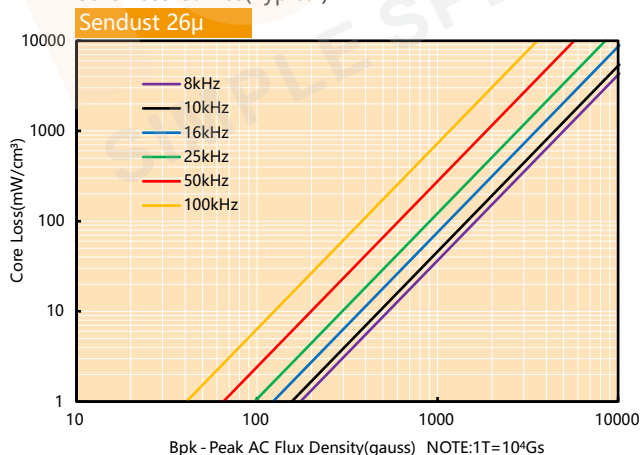
### Physical Characteristics

Before Coating			After Coating			Le(cm)	Ae(cm <sup>2</sup> )	V(cm <sup>3</sup> )	W(cm <sup>2</sup> )	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						
1.299 33.00	0.783 19.90	0.709 18.00	33.83	19.30	19.00	8.150	1.130	9.219	2.924	51.5	210

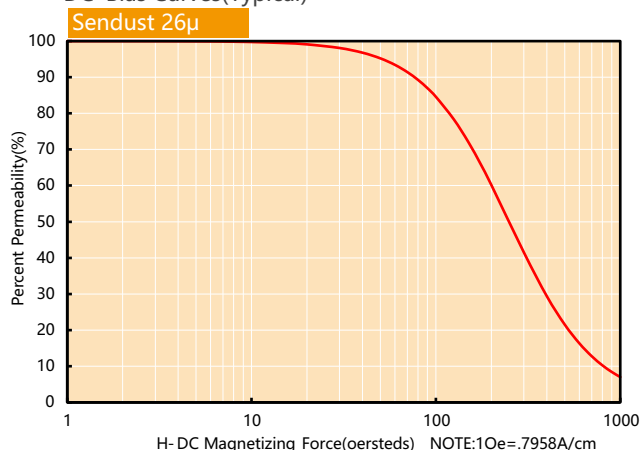
### Electrical Parameters(Typical)      Temperature(25°C±2°C)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ1.2mm/43Ts, 20kHz/1V, I=0A (Evenly full windings)	86.9μH±8%	CH3302
DC-Bias	φ1.2mm/43Ts, 20kHz/1V, I=30A(H=200Oe) (Evenly full windings)	48.0μH(Min.)	WK3255B+WK3265B
	φ1.2mm/43Ts, 20kHz/1V, I=45A(H=300Oe) (Evenly full windings)	32.0μH(Min.)	
Core Loss	50kHz/1000Gs	420mW/cm <sup>3</sup> (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.