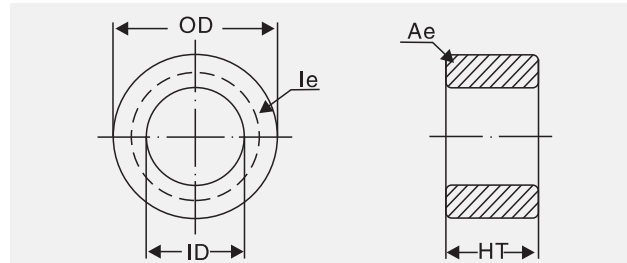


SPECIFICATION FOR APPROVAL

1. Material

Production:	Sendust Cores
KDM.P/N:	KS050-125A
A_L :	$56(\text{nH/N}^2) \pm 8\%$
Material:	125 μ
Coating Color:	Black
Coating material:	epoxy
Coating Breakdown Voltage:	600Vrms.0.5mA. 2sec



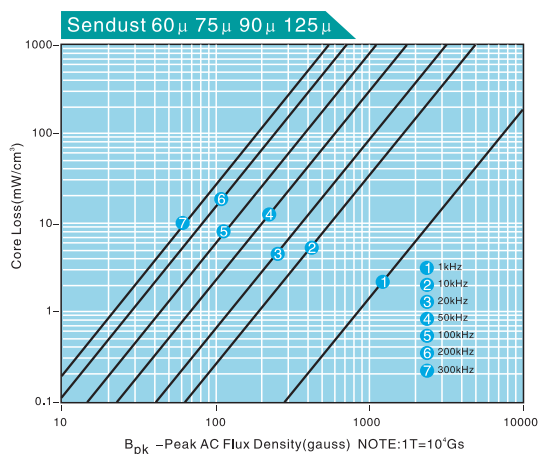
2. Physical Characteristics

Before Coating			After Coating			ℓ_e (cm)	A_e (cm ²)	V (cm ³)	W (cm ²)	Weight	Box Quantity (Pieces)
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) mm	ID(Min) mm	Ht(Max) mm						
0.500 12.70	0.300 7.62	0.187 4.75	13.46	6.99	5.51	3.120	0.114	0.356	0.383	2.30g	6000

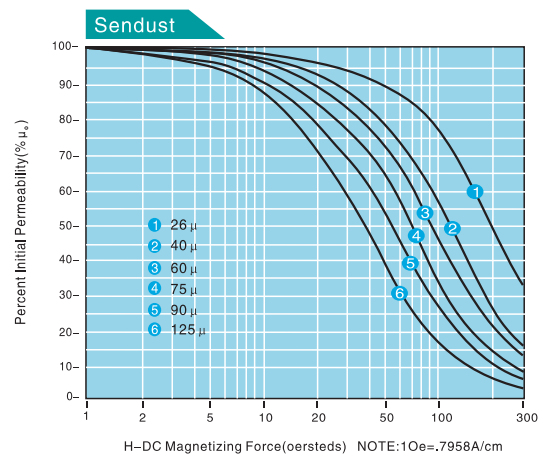
3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

Test Item	Test Condition	Value(Typical)
Inductance	ϕ 0.5mm/18Ts, 100kHz/1V, $I_{DC}=0A$	18.14 μ H ± 8%
DC-Bias	ϕ 0.5mm/18Ts, 100kHz/1V, $I_{DC}=14A(H_{DC}=100Oe)$	2.50 μ H (Min.)
Core Loss	50kHz/1000Gs	360mW/cm ³ (Max.)
Remarks		

Core Loss Curves(Typical)



DC-Bias Curves(Typical)



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