

## SPECIFICATION FOR APPROVAL

### 1. Material

Production:	Nanodust Cores
KDM.P/N:	KAM157-125A
AL:	168(nH/N <sup>2</sup> ) ± 8%
Material:	125 μ
Coating Color:	Khaki
Coating material:	epoxy
Coating Breakdown Voltage:	1000V, 0.5mA, 2Sec



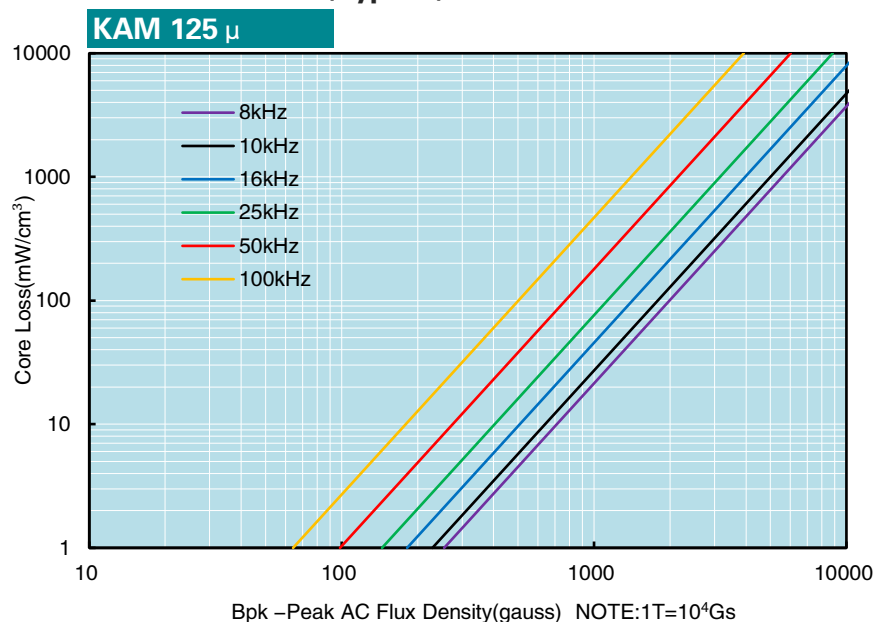
### 2. Physical Characteristics

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						
1.571 39.90	0.949 24.10	0.571 14.50	40.72	23.30	15.37	9.840	1.072	10.500	4.262	74.4	150

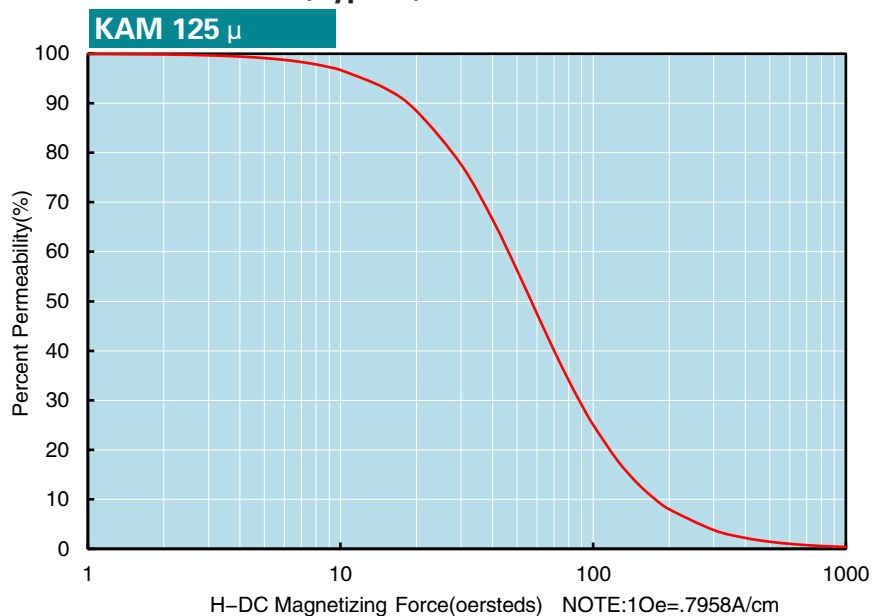
### 3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ 0.8mm/52Ts, 20kHz/1V, I=0A (Evenly full windings)(均匀绕满)	454.3 μ H ± 8%	CH3302
DC-Bias	φ 0.8mm/52Ts, 20kHz/1V, I=7.5A(H=50Oe) (Evenly full windings)(均匀绕满)	234.1 μ H (Min.)	WK3255B+WK3265B
Core Loss	50kHz/1000Gs	280mW/cm <sup>3</sup> (Max.)	SY-8219
Remarks	Set the internal resistance of LCR meter to 100 Ω.(电感测试仪内阻设置100 Ω)		

#### Core Loss Curves(Typical)



#### DC-Bias Curves(Typical)



KDM确认栏  
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Signature

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技术部**

客户确认栏  
Customer  
Signature

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