

## SPECIFICATION FOR APPROVAL

### 1. Material

|                            |                             |
|----------------------------|-----------------------------|
| Production:                | High Flux Cores             |
| KDM.P/N:                   | KH080-125A                  |
| AL:                        | 68(nH/N <sup>2</sup> ) ± 8% |
| Material:                  | 125 μ                       |
| Coating Color:             | Khaki                       |
| Coating material:          | epoxy                       |
| Coating Breakdown Voltage: | 1000V, 0.5mA, 2Sec          |



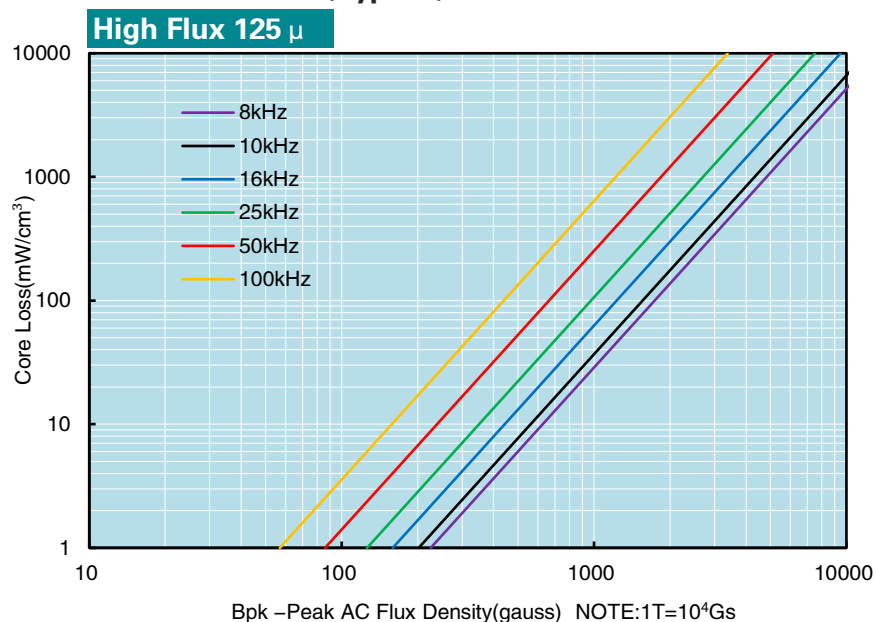
### 2. Physical Characteristics

| 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 |        |                      |                     |                     |                   |                       |
| 0.799<br>20.30 | 0.500<br>12.70 | 0.250<br>6.35  | 21.10         | 12.07       | 7.11        | 5.090  | 0.226                | 1.150               | 1.144               | 9.5               | 1134                  |

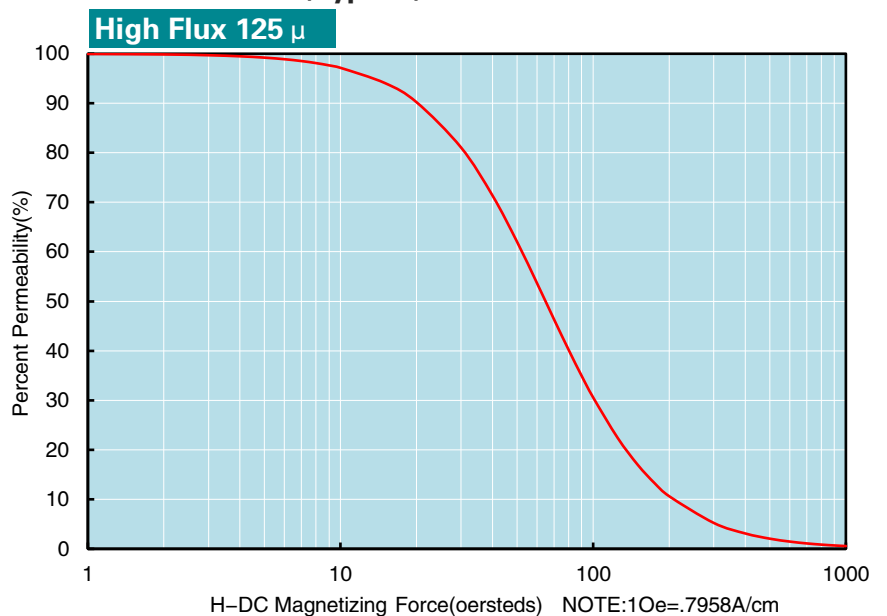
### 3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

| Test Item  | Test Condition   | Value(Typical)               | Test Instrument |
|------------|--|------------------------------|-----------------|
| Inductance | φ 0.8mm/27Ts, 20kHz/1V, I=0A<br>(Evenly full windings)(均匀绕满)           | 49.6 μ H ± 8%                | CH3302          |
| DC-Bias    | φ 0.8mm/27Ts, 20kHz/1V, I=7.5A(H=50Oe)<br>(Evenly full windings)(均匀绕满) | 27.4 μ H (Min.)              | WK3255B+WK3265B |
| Core Loss  | 50kHz/1000Gs   | 360mW/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  
KDM  
Signature

**科达磁电  
技术部**

客户确认栏  
Customer  
Signature

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