

## SPECIFICATION FOR APPROVAL

### 1. Material

|                            |                             |
|----------------------------|-----------------------------|
| Production:                | Sendust Cores               |
| KDM.P/N:                   | KS158-026A                  |
| AL:                        | 53(nH/N <sup>2</sup> ) ± 8% |
| Material:                  | 26 μ                        |
| Coating Color:             | Black                       |
| Coating material:          | epoxy                       |
| Coating Breakdown Voltage: | 1000V, 0.5mA, 2Sec          |



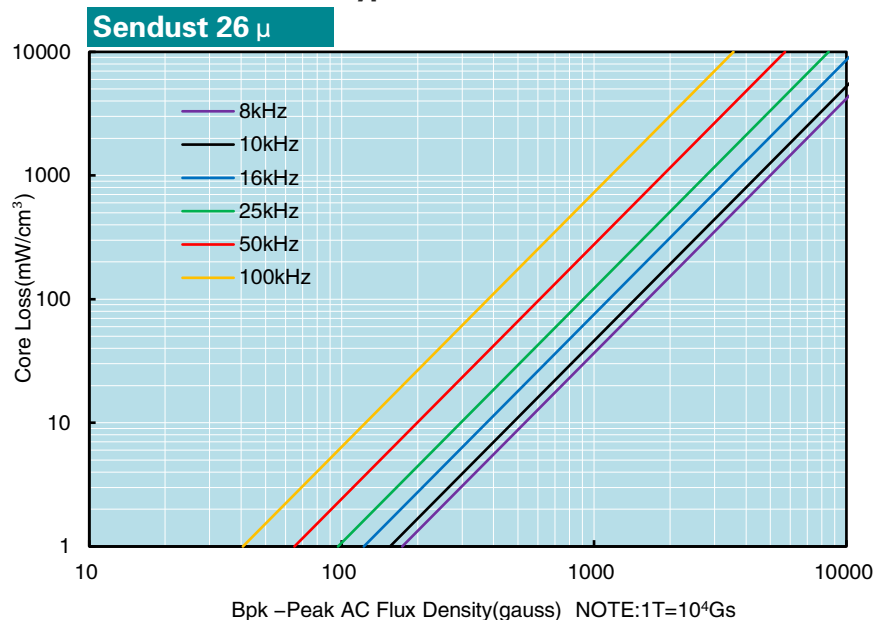
### 2. Physical Characteristics

| 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 |        |                      |                     |                     |                   |                       |
| 1.580<br>40.13 | 0.869<br>22.08 | 0.669<br>17.00 | 40.94         | 21.27       | 17.89       | 9.510  | 1.537                | 15.043              | 3.551               | 84.2              | 125                   |

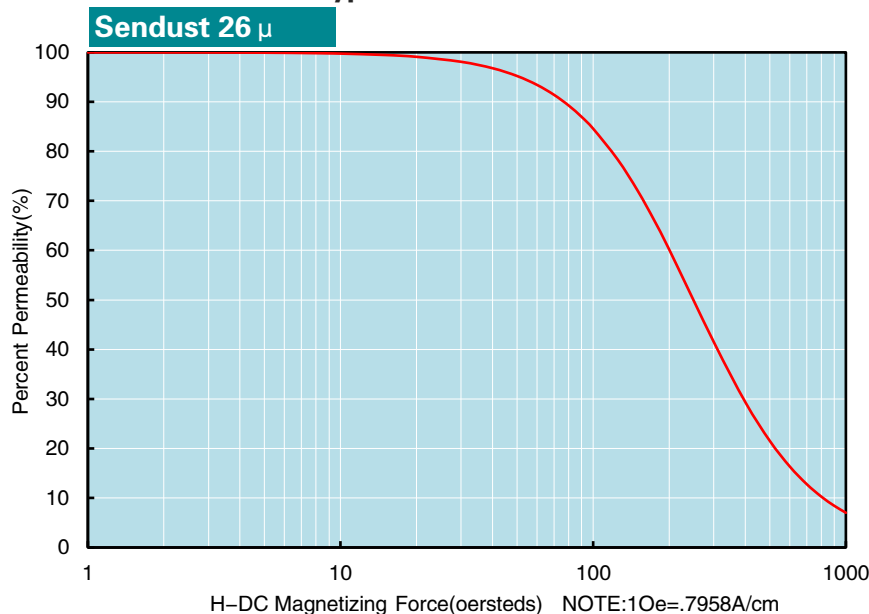
### 3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

| Test Item  | Test Condition   | Value(Typical)               | Test Instrument |
|------------|--|------------------------------|-----------------|
| Inductance | φ 1.2mm/50Ts, 20kHz/1V, I=0A<br>(Evenly full windings)(均匀绕满)           | 132.5 μ H ± 8%               | CH3302          |
| DC-Bias    | φ 1.2mm/50Ts, 20kHz/1V, I=30A(H=200Oe)<br>(Evenly full windings)(均匀绕满) | 73.1 μ H(Min.)               | WK3255B+WK3265B |
|            | φ 1.2mm/50Ts, 20kHz/1V, I=45A(H=300Oe)<br>(Evenly full windings)(均匀绕满) | 48.8 μ H(Min.)               |                 |
| Core Loss  | 50kHz/1000Gs   | 420mW/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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技术部**

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Customer  
Signature

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